Panasonic

ideas for life

2008/2009
Home Entertainment

BLU-RAY DISC™ RECORDER

BLU-RAY DISC™ THEATRE

BLU-RAY DISC™ PLAYER

HIGH DEFINITION RECORDERS

DVD RECORDERS

DVD PLAYERS

DVD HOME THEATRE

HOME THEATRE

DVD/CD MINI SYSTEMS

MICRO SYSTEMS

2008 HD Networking with SD Memory Card

FULL HD 1920×1080p

SDHC™

Full High Definition Camcorder

Full High Definition
Blu-ray Disc™ Home Theatre

LUMIX Digital
Still Camera

Full High Definition
Blu-ray Disc™ Recorder

DVD Recorder

Full High Definition
Blu-ray Disc™ Player

Full High
Definition
VIERA Plasma
& LCD

SD CARD RANGE

32GB	RP-SDV32G
16GB	RP-SDV16G
8GB	RP-SDV08G
4GB	RP-SDV04G
	RP-SDM04GB
2GB	RP-SDV02G
	RP-SDM02GB
1GB	RP-SDR01G

*1 GB = 1 billion bytes.
1 MB = 1 million bytes.
Usable capacity will be less.

2008 VIERA Link

VIERA Link allows interlinked operation of various AV devices using only the VIERA remote control, by simply connecting the devices to each other using a HDMI cable.

*Not all 2008/2009 VIERA Link features are compatible with all 2006/2007 VIERA Link products.

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2008/2009 Home Entertainment Specifications are supplied as a separate Insert at the back of the brochure and are also available at www.panasonic.com.au

Full High Definition 1080p Theatre

VIERA

Full High Definition Plasma TV

PZ800 Series

TH-50PZ800A

TH-46PZ800A

TH-42PZ800A

Full High Definition LCD TV

LZD850 Series

TX-37LZD850A

LZD800 Series

TX-37LZD800A

TX-32LZD800A

FULL HD 1920×1080p

Full High Definition Blu-Ray Disc™ Home Theatre

SC-BT105

Full High Definition Blu-Ray Disc™ Recorder

DMR-BW500

Full High Definition Blu-Ray Disc™ Player

DMP-BD30

HD Recorder

DMR-XW300

Full High Definition Projector

PT-AE2000

Full High Definition Camcorders

AVCHD

HDC-HS9

SDR-SD9

Recordable Blu-Ray Disc™ Media

25GB -R	LM-BR25DE
50GB -R	LM-BR50DE
25GB -RE	LM-BE25DE
50GB -RE	LM-BE50DE

SD Card Range

32GB	RP-SDV32G
16GB	RP-SDV16G
8GB	RP-SDV08G
4GB	RP-SDV04G
	RP-SDM04GB
2GB	RP-SDV02G
	RP-SDM02GB
1GB	RP-SDR01G

*1 GB = 1 billion bytes. 1 MB = 1 million bytes.
Usable capacity will be less.

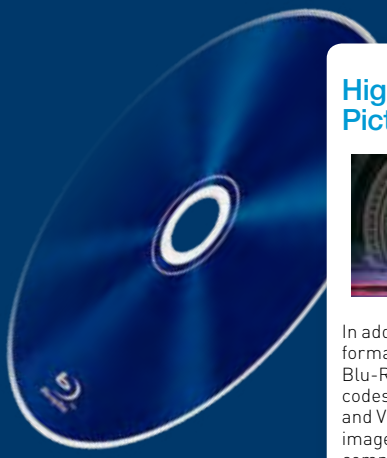
Panasonic HDMI Cables

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

1.5M	RP-CDHG15
	RP-CDHG15-K (black)
3.0M	RP-CDHG30
5.0M	RP-CDHG50
7.0M	RP-CDHG70
10M	RP-CDHG100

Full High Definition Blu-ray Disc™

Blu-ray Disc™: Features You Won't Find on DVD



High Quality Picture

In addition to the MPEG-2 format used by DVD-Video, Blu-Ray Disc™ uses video codes, such as MPEG-4 AVC and VC-1, which deliver high image quality using high compression rates. The data transfer speed is 48 Mbps, which is about five times faster than DVD.

High Quality Sound

dts-HD Master Audio

DOLBY TRUEHD

DOLBY DIGITAL PLUS

Blu-Ray Disc™ optionally supports next-generation surround sound formats like Dolby TrueHD and DTS-HD. This makes it possible to reproduce high-quality 7.1-channel surround sound with each channel offering amazing audio quality, delivering a surround sound experience that rivals the quality of the master audio source.

BONUSVIEW (Final Standard Profile)

BONUS*VIEW*

Incorporating BONUSVIEW (Final Standard Profile) of BD-ROM Profile 1 Version 1.1, Panasonic's new Blu-ray Disc™ models offer entertainment features that have never before been possible. For example, they provide a new Picture-in-Picture function that displays a sub-screen while a movie is playing, and an Audio Mixing capability that lets you switch the sound between the main screen and sub-screen. Other exciting new, interactive features will also become available, and discs will include bonus content such as games together with movies.

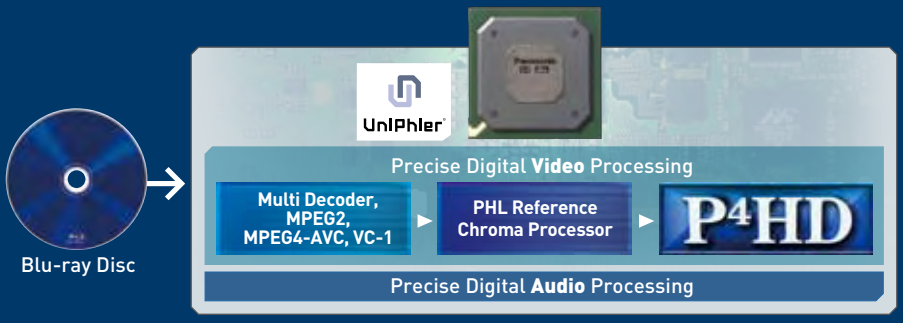
* Available features vary depending on the Blu-ray Disc™.

High Quality Picture

UniPhier®

SC-BT105 DMP-BD30

Combining a PHL Reference Chroma Processor with advanced P⁴HD imaging technology, Panasonic's original digital consumer electronics integration platform, UniPhier® reproduces crisp, natural colours that are extremely faithful to the original movie. The beautiful images are complemented by an exceptionally pure, accurate sound achieved through Audio Re-master[1] and other leading-edge sound technologies. UniPhier® reflects the advanced encoding and authoring technologies developed by Panasonic Hollywood Laboratory (PHL) in collaboration with film industry professionals. With UniPhier® at its heart, the SC-BT105 and DMP-BD30 provide a level of image and sound quality that meets Hollywood's stringent demands — so you experience movies just the way they were meant to be experienced.



1 Audio Re-master function is available only for DMP-BD30 & DMR-BW500

* UniPhier is a trademark/a registered trade mark of Matsushita Electric Industrial Co., Ltd. in Japan and other countries.

PHL Reference Chroma Processor

DMR-BW500 SC-BT105 DMP-BD30

The PHL Reference Chroma Processor up-samples 4:2:0 to 4:2:2 the colour information in decoded video signals. Using unique Panasonic technology, this innovative circuit faithfully reproduces the fine details and nuances of Blu-ray Disc™ streams that have been recorded with high quality image compression system. It generates images with all the clarity and depth that Blu-ray Disc™ movies have to offer.

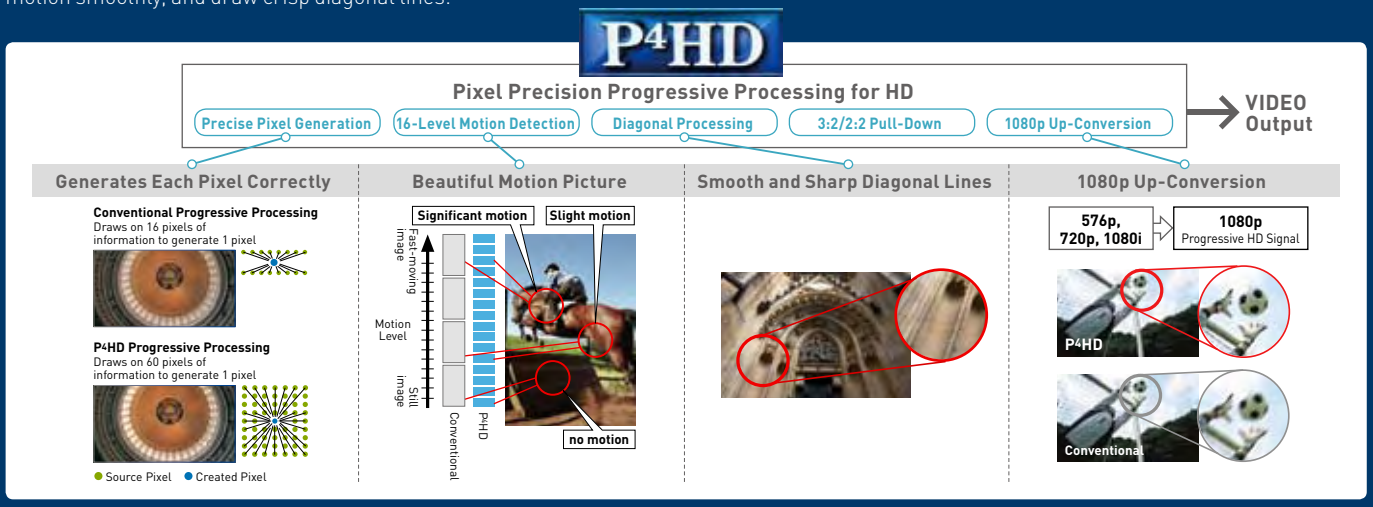
Distinct borders between colours

Details and nuances closely match the look of the actual movie

P⁴HD
(Pixel Precision Progressive Processing for HD)

DMR-BW500 SC-BT105 DMP-BD30

P⁴HD processes more than 15 billion pixels per second and applies the optimal processing to every pixel.
So that the player or recorder can render progressive images superbly, express motion smoothly, and draw crisp diagonal lines.



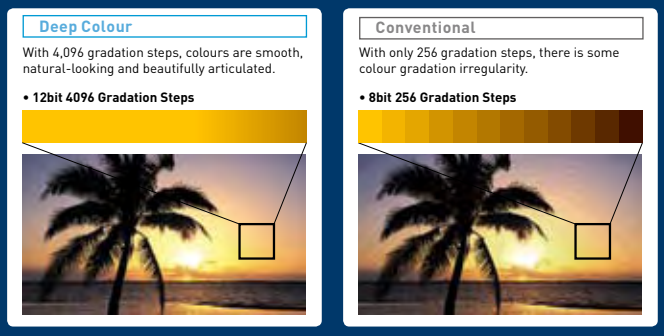
Deep Colour

Deep Colour

DMR-BW500 SC-BT105 DMP-BD30

The DMR-BW500, SC-BT105 and DMP-BD30 are Deep Colour ready, which means they can deliver images with 12-bit, 4,096-step gradation. You enjoy exceptionally rich, natural-looking colours, with smooth, detailed gradation and minimal colour banding.

* The TV must also be Deep Colour compatible.
  Other TVs will display 8-bit, 256-step gradation.


Deep Colour
With 4,096 gradation steps, colours are smooth, natural-looking and beautifully articulated.
• 12bit 4096 Gradation Steps
Conventional
With only 256 gradation steps, there is some colour gradation irregularity.
• 8bit 256 Gradation Steps

1080/24p Playback

DMR-BW500 SC-BT105 DMP-BD30

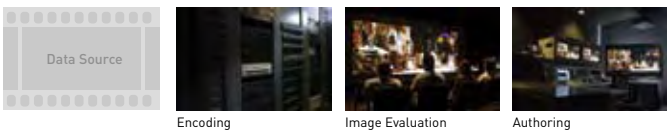
The DMR-BW500, SC-BT105 and DMP-BD30 provide 1080/24p output. It reproduces movie images from a Blu-ray Disc™ in their original 24p form, with no need for conversion. You see movies in the same format used in movie theatres.

* 1080/24p supported display device is required

Output in 24p as it is, reproducing images as close as possible to the original quality.
Data Source
Blu-ray Disc™ Player
Projector
PT-AE2000
* 24p stands for 24 frame/sec.

Encoding and Authoring at PHL (Panasonic Hollywood Laboratory)

Panasonic has worked hard to meet the lofty demands of industry professionals by conducting onsite research and developing cutting edge digital technologies, such as encoding, authoring and compression, to support the creative needs of the industry.



Images are simulated and are for reference only

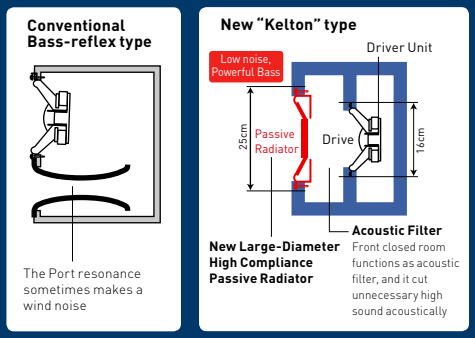
Full High Definition Blu-ray Disc™

Premium Sound Quality

Kelton Subwoofer

SC-BT105

Thanks to a Kelton subwoofer, the SC-BT105 outputs deep, thunderous bass sounds that make viewing Blu-ray Discs a truly awesome entertainment experience. The Kelton subwoofer has two internal chambers. A drive unit mounted in the rear chamber vibrates the front chamber, causing a large, 25cm Passive Radiator in the front chamber to vibrate and produce bass sounds. Because the front chamber functions as an acoustic filter, there is minimal unwanted noise. The thinness and high compliance of the passive radiator help achieve an extremely clean, powerful and responsive bass sound.



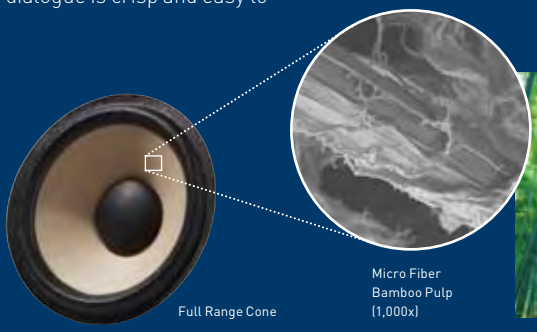
Bamboo Diaphragm Centre Speaker

SC-BT105

A rigid, low-density bamboo material used in the centre speaker's diaphragms helps achieve a clean, responsive sound. Vocals are pure and clear, and dialogue is crisp and easy to understand.

Centre Speaker

	Bamboo	Paper
Sound Velocity (m/s)	2380	1900
Specific Gravity	0.37	0.40



Full Range Cone

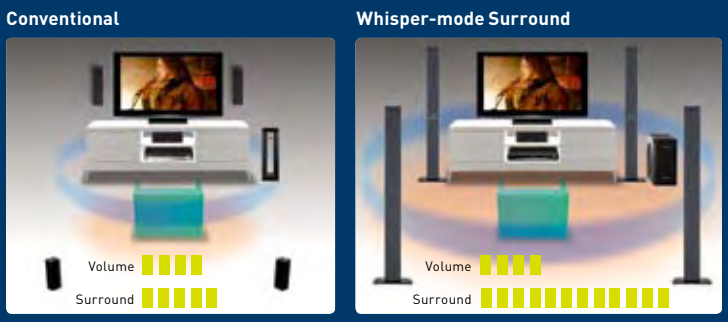
Micro Fiber
Bamboo Pulp
(1,000x)

Whisper-mode Surround

SC-BT105

In the past, when you were watching a movie late at night with the volume turned down, the surround effect would be lost. Not with Whisper-mode Surround. It compensates for the sound pressure level of the low-frequency component (which contains the signals that affect the surround effect), so you're enveloped in a rich surround sound even when watching movies at low volume.

Whisper-mode Surround



Virtual 7.1ch Surround

SC-BT105

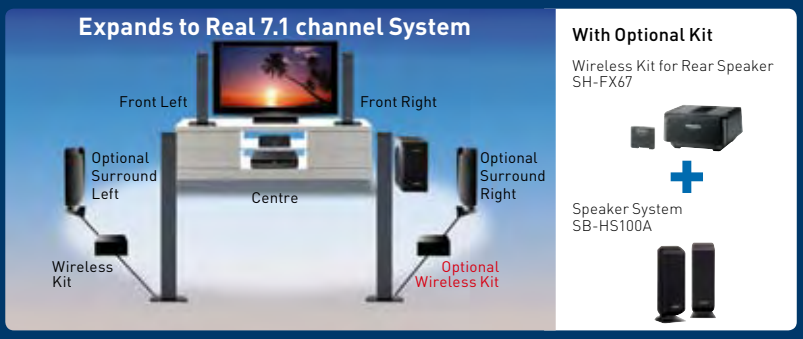
The SC-BT105 incorporates original Panasonic technology that makes it possible for a 5.1-channel speaker system to accurately reproduce 7.1-channel surround sound. You can enjoy virtually the same kind of powerful, lifelike sound and dynamic acoustic presence you get with a 7.1-channel system, even if you don't have enough space for eight speakers.

* You can also create a true 7.1-channel surround sound system by separately purchasing an SH-FX67 for Wireless System and SB-HS100A for Surround Speakers.

Premium 7.1ch Surround Sound Available with Optional Kit

SC-BT105

You can also create a 7.1 channel surround sound system by separately purchasing an additional SH-FX67 for a wireless system and the SB-HS100A for surround speakers.



Compatible with All New Audio Codecs*

DMR-BW500 SC-BT105 DMP-BD30

The DMR-BW500, SC-BT105 and DMP-BD30* are compatible with the newest Dolby TrueHD and DTS-HD 7.1-channel surround sound formats. Sit back and enjoy the incredibly rich, clear and faithful surround sound these high-data formats make possible.

* The DMR-BW500 and DMP-BD30 can provide bitstream output only.

DOLBY DIGITAL • PLUS DOLBY TRUEHD dts-HD Master Audio

Audio Re-master for All Media

DMR-BW500 DMP-BD30

The Audio Re-master function compensates for data lost in the compression process used in Blu-ray Disc and DVD recording. This helps create a fuller, richer sound that is extremely faithful to the original.

Images are simulated and are for reference only

Full High Definition Blu-ray Disc™

New Media Friendly

Integrated Universal Dock for iPod

SC-BT105

Just slip your iPod into the built-in cradle and enjoy. With the Blu-ray Disc™ Theatre system' s awesome picture and sound quality, you'll love listening to the music and watching the images on your iPod. There are no iPod or USB cables to connect, so it's super easy and your room stays tidy and uncluttered.

* iPod not included.

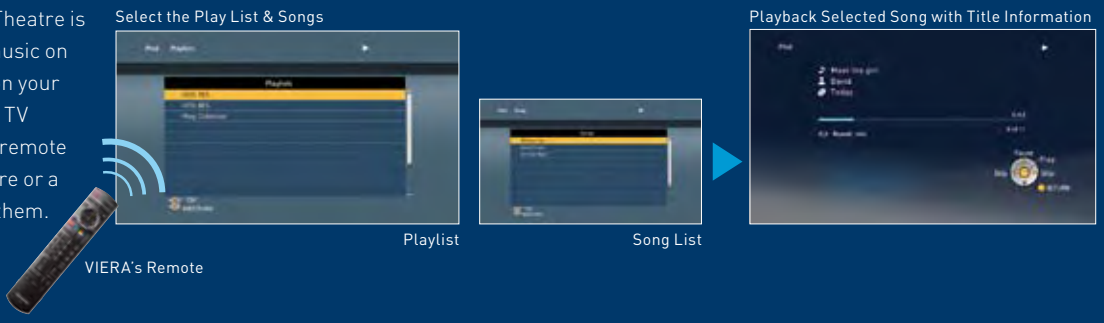
Easy & Simple Connecting

iPod Music / Video Capability

SC-BT105

iPod Music Playback and On-Screen Display for iPod Music Menu

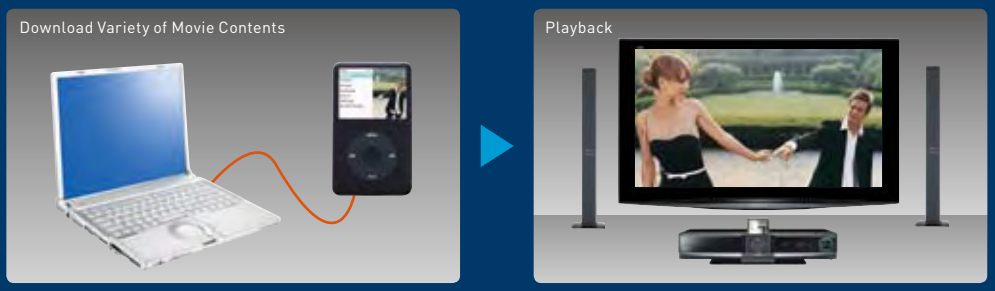
Panasonic's Blu-ray Disc™ Theatre is a great way to listen to the music on your iPod. The list of songs on your iPod can be displayed on the TV screen, and you can use the remote control from the home theatre or a VIERA TV to select and play them.



iPod Video Playback

Use the iPod screen to select a video, then sit back and enjoy awesome large-screen viewing and thunderous surround sound.

* To enjoy iPod Video contents, please connect your home theatre sound system with composite video cable.
* iPod not included.



Enjoy Multi Channel Sound

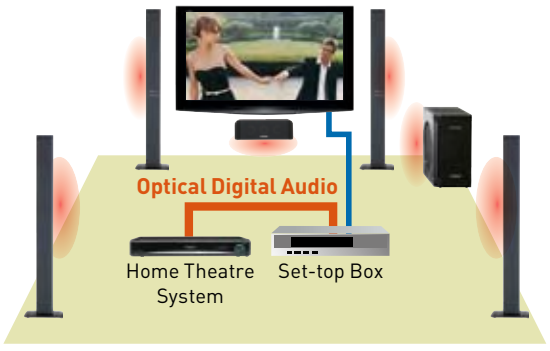
SC-BT105

Connect a TV or set-top box to your Blu-ray Disc™ Theatre with an optical audio cable, and you can view programs and other content on your large-screen TV, while enjoying 5.1-channel surround sound.

* The video output of the set-top box must be connected to the TV, and the set-top box must be connected to the SC-BT105 via an optical audio cable.

DOLBY DIGITAL
Compatible Audio Codec

Optical Input Terminal for 5.1ch Surround Sound

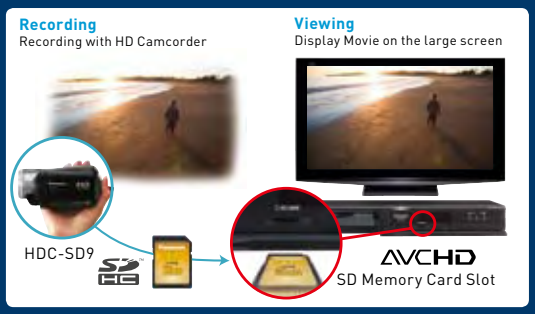


HD Networking with SD Memory Card

Linking with an HD Camcorder

The DMR-BW500, SC-BT105 and DMP-BD30 can play back AVCHD-format images recorded with an HD camcorder, such as the Panasonic HDC-SD9. Images recorded onto the camcorder's SD Memory Card are output directly from the DMR-BW500, SC-BT105 and DMP-BD30's HDMI terminals in their original, high-quality 1920 x 1080 resolution and 5.1ch surround sound (SC-BT105 only). The DMR-BW500, SC-BT105 and DMP-BD30 also provide an AVCHD Direct Navigator function that makes it easy to search for particular scenes.

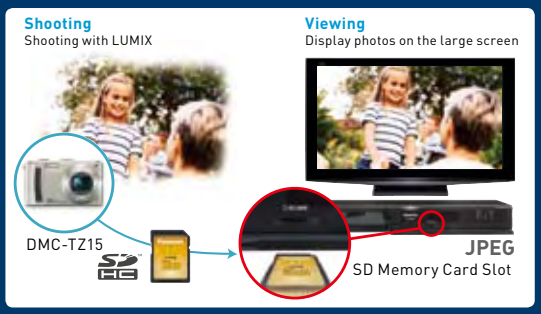
DMR-BW500
SC-BT105
DMP-BD30



Linking with a Digital Camera

The DMR-BW500, SC-BT105 and DMP-BD30 can play back JPEG still images on an SD Memory Card, such as those recorded with a Lumix DMC-TZ15 digital camera. The DMR-BW500, SC-BT105 and DMP-BD30 can output the images to 1920 x 1080 resolution — ideal for a full-HD TV — and output them via the HDMI terminal*. Using the Slideshow playback feature, you can play a music CD at the same time you're showing the photos, so viewers enjoy both beautiful images and your favourite music.

DMR-BW500
SC-BT105
DMP-BD30



* JPEG and other still image sources converted to 1920 x 1080 resolution, while of high quality, will exhibit somewhat lower subjective image resolution than true, native 1080p full HD sources.

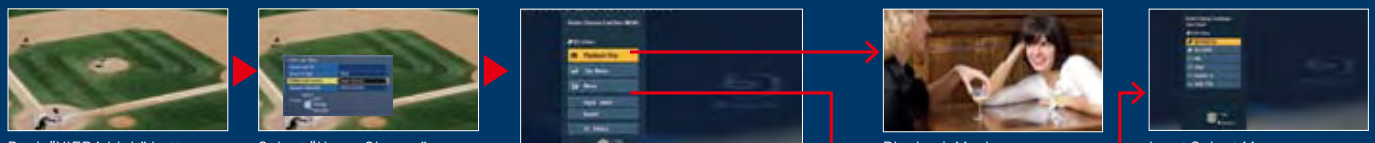
Easy to Use & Set-Up with VIERA Link

New Seamless GUI

DMR-BW500 SC-BT105 DMP-BD30

As the types of media continue to increase, the VIERA Link capability continues to evolve. The newly enhanced VIERA Link displays a menu on the TV screen, making it easier to operate the connected equipment. For example, you can display a menu with a list of the music stored on your iPod, and use the VIERA remote control unit to select one and begin playback.

The DMR-BW500 and DMP-BD30 cannot be connected to an iPod.



Push "VIERA Link" button | Select "Home Cinema" | Home Cinema Menu Screen | Playback Movie | Input Select Menu

The images are GUI of SC-BT105

Auto Theatre Setup

SC-BT105

When you connect your Blu-ray Disc™ Theatre system to a VIERA TV via an HDMI cable, the TV settings (menu language, aspect ratio, and so on) are automatically loaded into the home theatre system. This saves you the trouble of making those settings manually.

* This function is available for Panasonic products that support VIERA Link (HDAVI Control 3 or above) - 2008/2009 VIERA.

Settings are automatically made by simply connecting with an HDMI cable.

Only connect with TV by HDMI Cable

Blu-Ray Disc™ Recorder

Blu-ray Disc™ Recorder with HDD (500GB) & Twin Digital HD Tuner, SD Memory Card Slot & USB Terminal

Panasonic, leading the way in Blu-ray Disc™, is proud to annouce the DMR-BW500 Blu-ray Disc™ Recorder - more than you can imagine. The DMR-BW500 features class leading performance, features and specifications all in one compact stylish design that will look great in any home.

Twin HD Tuners mean you never miss your favourite show on HD or SD Digital. Simultaneous recording and playback make it easy to record two HD programs while watching a Blu-ray Disc™, DVD, pre-recorded program or using your TV's tuner another live TV program.

7 Day EPG makes recording a breeze, simply select your favourite program using the 'Guide' button on your remote control. TV programs are displayed up to 7 days in advance; recording has never been so easy.

Because the DMR-BW500 can record to Blu-ray Disc™ archiving of HD content from TV or Camcorder can be archived to Blu-ray disc. If HD content isn't required the DMR-BW500 can archive HD content to DVD in SD quality automatically.

Blu-ray Disc™ playback has never looked so good, featuring P^{4}HD (Pixel Precision Progressive Processing for HD), HD Optimiser and PHL reference Chroma Processor movies look just as the director intended.

The DMR-BW500 doesn't just deliver great video; sound has never been this good. Featuring Dolby Digital recording for Free to Air HD content as well as Bitstream output for Dolby TrueHD, DTS-HD & DTS-HD Master Audio from Blu-ray Disc™ you are assured of the very best in sound quality too.

Panasonic's DMR-BW500 - the one device player and recorder for every home.

WARNING THE COPYRIGHT ACT 1968 DOES NOT PERMIT THE UNRESTRICTED USE OF THIS RECORDER TO COPY FILMS, SOUND RECORDINGS OR BROADCASTS TO ANY RECORDING MEDIA. THE ACT ONLY PERMITS TO COPY BROADCASTS FOR PRIVATE AND DOMESTIC PURPOSES IN LIMITED CIRCUMSTANCES. PANASONIC DOES NOT AUTHORISE ANY USE OF THIS RECORDER IN ANY WAY WHICH MAY AMOUNT TO A BREACH OF ANY LAW OR THE RIGHTS OF ANY OWNER OF COPYRIGHT IN FILM OR BROADCAST.

Blu-ray Disc™ Recorder with HDD (500GB) & Twin Digital HD Tuner, SD Memory Card Slot & USB Terminal

DMR-BW500

1. Integrated Twin HD Digital Tuner, Record Two Programs Simultaneously
2. Playback and Archive to Blu-ray Disc™ in 1920 x 1080p
4. 7 Day EPG
5. HD Optimiser with Digital Noise Reduction for Digital Broadcasting
6. HD Networking with SD Memory Card [AVCHD movie and JPEG (HD)]

HD Recording
- Integrated Twin HD Digital Tuner
- Simultaneously Record Two Programs
- 7 Day EPG
- Group View*1
- HD Recording (DR mode) and Dolby 5.1ch recording on HDD and Blu-ray Disc for Digital Broadcasting
- Subtitle Recording & Playback*9
- Long Time Recording with High Quality Picture (8-Hour EP mode: 885 hours)
- Max 8x High Speed Copying from HDD to BD-R
- Super Multi-Format Recording & Playback (BD-RE. BD-RE DL, BD-R, BD-R DL, DVD-RAM*2, DVD-R*2 3, DVD-R DL*2 3 4 DVD-RW*2 3, +R, +R DL*4, +RW discs)

High Quality Picture
- PHL Reference Chroma Processor (Blu-ray Disc Playback only)
- P4HD (Pixel Precision Progressive Processing for HD)
  - Precise Pixel Generation
  - 16-Level Motion Detection with Pixel-Based Motion Adaptive
  - Diagonal Processing
  - Detection of 3:2/2:2 Pull-Down Progressive Processing
  - i/p Conversion for 1080p* Playback
  - Up-Conversion to 1080p* Playback

  * HDMI connection required.
- 1080/24p Playback (Blu-ray Disc™)
- 1080p Up-Conversion with HDMI
- HD Optimiser
- Detail Enhancer for Down-convert Recording
- Deep Colour
- 2x LP Horizontal Resolution (500 Lines)
- Real-Time Variable Bit Rate Control

High Quality Sound
- Audio Re-Master for All formats (LPCM, CD, DVD-Video, BD)
- High Bit Rate Audio Bitstream Output (LPCM (7.1ch), Dolby Digital Plus, Dolby TrueHD, DTS-HD*)* DTS-HD Advanced Digital Out
- 384 Kbps Audio Recording with SP mode
- High Quality 192 kHz/24 bit DAC
- Pure Audio Parts
- Digital Output (Optical: 50Mbps, Coaxial)
- Silence Technology with Auto Balancer System
- Hard Disk Drive Damper to Suppress Vibration
- Fan Control Technology for Quiet Operation

HD Networking
- VIERA Link
  - Direct TV Rec.*5
  - Auto Preset Download*5
  - Pause Live TV*5
- HDD /SD Camcorder Link with USB Terminal*6
- JPEG Full-HD Viewing with USB Terminal and SD Memory Card Slot
- MP3 playback with USB Terminal
- HD Movie (AVCHD) Recording & Playback*7 with SD Memory Card Slot
- Intelligent Photo Archiving with SD Memory Card
- Auto Folder Creation by Date with SD Memory Card and USB Terminal

Easy to Use
- Music Juke Box with gracenote (CD Database)
- EPG with Category Display
- BONUSVIEW*(Blu-ray Disc™ Playback only)

  *Features vary depending on Blu-ray Disc™ media.
- DV Auto Recording (HDD, DVD-RAM*2, DVD-R*2 3, DVD-RW*2 3, +R, +RW disc) & Playlist Creation*8
- Auto Drive Select (HDD ↔ BD/DVD, HDD ↔ SD)
- Auto DVD Disc Finalising
- Direct Navigator for Quick, Easy Search
- Time Slip Function (HDD /DVD-RAM/ DVD-R/ DVD-R DL/ DVD-RW/ +R /+R DL/ +RW)

  *This function is available on DVD discs (DVD-R, DVD-R DL, DVD-RW, +R and +R DL) which are not completed for finalising.

Other Convenient Functions
- Quick View (x1.3) (HDD & DVD-RAM only)
- Playlist Playback (BD-RE/BD-R/DVD-RAM/ DVD-RW(VR))
- Manual Skip
- Advanced VSS
- CPRM Recording Capability

*1 This function is available only for viewing the data on hard disk drive.
*2 Including CPRM-compatible DVD Discs.
*3 Recording is possible only in DVD-Video format.
*4 You cannot directly record to a DVD-R DL and +R DL disc. Record to the HDD and then copy to the disc.
*5 This function is available for Panasonic products that support VIERA Link (HDAVI Control 3 or above) - 2008/2009 VIERA
*6 To watch movies recorded on USB device, copy the MPEG2 Movie data to the hard disk drive or DVD-RAM and then play back.]
*7 For SD Movie, Video recording conversion and transfer is possible from card to HDD or DVD-RAM disc. After Video Recording conversion and transfer to HDD or DVD-RAM disc playback is possible.
*8 Only when recording onto the DVD-RAM or HDD
*9 DR Record Mode only

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Blu-ray Disc™ Theatre

Blu-ray Disc™ Home Theatre Sound System

SC-BT105

HDMI Deep Colour BONUS VIEW

1. Enjoy Full Audio Codec for Blu-ray Disc: Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio with Powerful "Kelton Subwoofer" & Clear Sound "Bamboo Diaphragm Speakers"
2. High Definition 1080/24p Playback, HDMI, P⁴HD Accurate 1080i to 1080p Conversion*1, BONUS VIEW for Picture-in-Picture Function
3. Enjoy Additional Inter-Operability with Panasonic Products which Have VIERA Link*2, Enjoy Precious Memories in HD with SD Memory Card Slot

Home Theatre Receiver
- Home Theatre Mode: Total Output Power of 1250W (RMS)
- Digital Amplifier
- Whisper-mode Surround
- H.Bass
- Surround Enhancer
- Real Centre Focus
- EQ (Flat, Heavy, Clear, Soft)
- Subwoofer Boost
- Subwoofer Level Control
- Quartz-Synthesised Digital Tuning System
- AV Remote Control

[Blu-ray Disc™ Features]
Video Features
- PHL Reference Chroma Processor
- P⁴HD (Pixel Precision Progressive Processing for HD)
  - Precise Pixel Generation
  - 16-Level Motion Detection with Pixel-Based Motion Adaptive
  - Diagonal Processing
  - Detection of 3:2/2:2 Pull-Down Progressive Processing
  - i/p Conversion for 1080p* Playback
  - Up-Conversion to 1080p* Playback

  * HDMI connection required.
- 1080/24p Playback (Blu-ray Disc)
- Deep Colour
- 148.5MHz/12bit Video D/A Converter
- Digital Noise Reduction (3D-NR/ Integrated NR)
- Picture Mode (Normal, Soft, Fine, Cinema, User)
- Picture Adjustment (Contrast, Brightness, Sharpness, Colour, Gamma Correction)
- Advanced Progressive Scan* (PAL/NTSC)

  * To enjoy a progressive scan picture, a TV with progressive scan capabilities must be used.
- Zoom Function for JPEG image
- Multi-Format Playback (BD-ROM, BD-RE, BD-RE DL, BD-R, BD-R DL, DVD-Video, DVD-RAM, DVD-RW*3, DVD-R*3, DVD-R (Dual Layer)*3, +R*3, +R (Double Layer)*3, +RW*3, CD, CD-R/RW*4, MP3*5, AVCHD (SD Memory Card/DVD), JPEG and DivX®*6)

Audio Features
- Built-in Dolby True HD, Dolby Digital Plus, DTS-HD Master Audio, DTS-HD High Resolution Audio and Linear PCM Decoder
- Dolby Pro Logic IIx (Movie, Music) (for Disc/ iPod/Digital In/FM/AUX) with Optional Surround Speakers
- DTS Neo :6 (Cinema,Music) (for Disc/iPod/ Digital In/FM/AUX)
- High Quality 192kHz/24bit Audio D/A Converter
- Dynamic Range Compression

Other Media Features
- Integrated Universal Dock for iPod
- On-Screen Display for iPod Music Menu
- iPod Music Playback
- iPod Video and Photo Playback*7
- High Definition Movie & Picture Playback via SD Memory Card Slot

Input/Output
- 1 HDMI Terminal (VIERA Link)
- 1 Component Video Output
- 1 Video Output
- 1 Digital Input (Optical)
- 1 Analogue Audio Input for AUX
- 1 Phone Out
- 1 Wireless Rear Terminal

Speaker System
- 4 Tower Speakers + 1 Centre Speaker
- Wireless Rear Speaker
- Wall Mounting Holes

Front:
- Tower Speaker (Wall-Mountable)
- 3-Way Placement (Floor / Shelf / Wall Mounting)
- 6.5cm Full Range Speaker x 2

Centre:
- 6.5cm Full Range Speaker (Bamboo Diaphragm) x 2
- Magnetic Shielding for Home Theatre Use

Surround:
- Tower Speaker (Wall-Mountable)
- 3-Way Placement (Floor / Shelf / Wall Mounting)
- 6.5cm Full Range Speaker

Subwoofer:
- 25cm Passive Radiator /16cm Woofer (Kelton Type)

1250W (RMS)

Optional
Speaker System
SB-HS100A

Optional
Wireless Kit for 7.1 Rear Speakers
SH-FX67

You can also create a true 7.1-channel surround sound system by separately purchasing an additional SH-FX67 for Wireless System and SB-HS100A for Surround Speakers.

Integrated Universal Dock for iPod

*1 Video sources converted to 1920 x 1080 resolution, while of high quality, will exhibit somewhat lower subjective image resolution than true, native 1080p full-HD sources. See dealer for details.
*2 Not all 2008 VIERA Link features are compatible with all 2006/2007 VIERA Link products.
*3 Discs recorded and finalised on DVD video recorders/cameras.
*4 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
*5 For content recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs.
*6 Official DivX® Certified product. Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license.
About DivX®
DivX® is a popular media technology created by DivX®, Inc. DivX® media files contain highly compressed video with high visual quality that maintains a relatively small file size.
*7 To enjoy iPod Video content, please connect your home theatre sound system with composite video cable to your TV.

Blu-ray Disc™ Player with SD Memory Card Slot

DMP-BD30

1. Compatible BONUSVIEW (Final Standard Profile)*1
2. 1080/24p Playback
3. Movie (AVCHD) & JPEG View with SD Memory Card Slot

Video Features

- PHL Reference Chroma Processor
- P4HD (Pixel Precision Progressive Processing for HD)
  - Precise Pixel Generation
  - 16-Level Motion Detection with Pixel-Based Motion Adaptive
  - Diagonal Processing
  - Detection of 3:2/2:2 Pull-Down Progressive Processing
  - i/p Conversion for 1080p* Playback
  - Up-Conversion to 1080p* Playback

  * HDMI connection required.
- 1080/24p Playback (Blu-ray Disc™)
- Deep Colour
- 148.5MHz/12bit Video D/A Converter
- Digital Noise Reduction (3D-NR/ Integrated NR)
- Picture Mode (Normal, Soft, Fine, Cinema, User)
- Picture Adjustment (Contrast, Brightness, Sharpness, Colour, Gamma Correction)

Audio Features

- High Bit Rate Audio Bitstream Output (Dolby Digital Plus, Dolby TrueHD, DTS-HD*2)
- Built-in Dolby Digital and DTS Decoder
- High Quality 192kHz/24bit Audio D/A Converter
- Audio Re-Master for All Formats (BD, DVD, CD and MP3)
- Advanced Surround (V.S.S.) Creates a Surround Effect for BD and DVD from Only Two Speakers (2 Modes)
- Dialogue Enhancer
- Dynamic Range Compression

Output

- 1 HDMI Terminal (VIERA Link)
- 1 Component Video Output
- 1 S-Video Output
- 1 Video Output
- 5.1ch Audio Output
- 2ch Audio Output
- Digital Audio Output (1 Optical, 1 Coaxial)

Convenience Features

- VIERA Link
- Movie (AVCHD) & JPEG View with SD Memory Card Slot
- JPEG Slide Show with Music
- Multi-Format Playback (BD-ROM, BD-RE, BD-RE DL, BD-R, BD-R DL, DVD-Video, DVD-RAM, AVCHD (SD Memory Card/DVD), DVD-RW*3, DVD-R*3, DVD-R (Dual Layer)*3, +R*3, +R (Double Layer)*3, +RW*3, CD, CD-R/RW*4, MP3*5, JPEG)
- Super Hi-Speed Scan: 5 Speeds up to x200
- Easy Setting Guide
- Graphical User Interface
- Audio/JPEG Navigation Menu

BONUSVIEW (Final Standard Profile)

BONUSVIEW (Final Standard Profile) – an advanced function added to BD-ROM Profile 1 Ver.1.1 - creates a range of exciting new entertainment possibilities. It opens the door to new functions such as Picture-in-Picture (which displays a second image in a sub-window) and Audio Mixing (which lets you switch the sound between the main and sub windows). A function that will allow new kinds of bonus movie content is also a possibility.

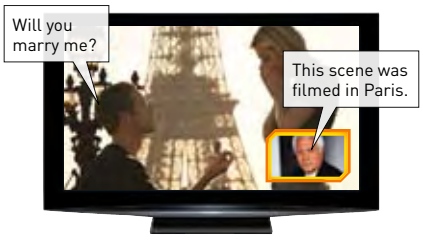
* Actual functions vary depending on the Blu-ray Dis™c media.

Picture-in-Picture

With Picture-in-Picture, a small sub-window is displayed over the main image. For example, the director or actors appear in the sub-window (as if they are standing in front of the screen) and point to actors or equipment as they make their comments.

* Depending upon program content.

Audio Mixing



The Audio Mixing function lets you choose which soundtrack to listen to the one from the content playing in the main window, the one from the sub-window, or both at the same time.

* Depending upon program content.

Images are simulated and are for reference only

*1 BD-ROM Profile1 version1.1
*2 DTS-HD Advanced Digital Out
*3 Discs recorded and finalised on DVD video recorders/cameras.
*4 Playability may vary depending on the contents, discs and quality of the recording.
*5 For contents recorded on CD-R/RW for your personal use only.

MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson multimedia.
HDMI, the HDMI logo and High-Defi nition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
"Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

Recorder Features

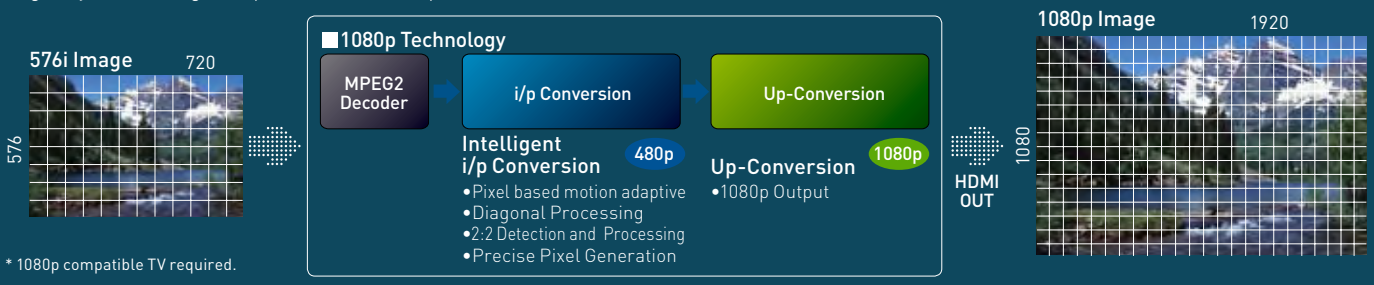
High Quality Picture

6x Richer Information

1080p Technology

1080p Up-Conversion

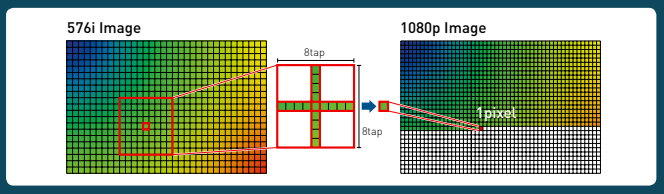
Ordinary TV broadcasts and DVD discs provide SD images with 720 x 576 pixels. Today's newest HDTVs, on the other hand, can display images with 1920 x 1080 pixels. HDTVs require high-quality image sources suitable for their large screens. If the optimisation process for high-quality images is inadequate, the picture can become blurry or grainy. DIGA's original i/p conversion and up-conversion functions solve this problem. These functions convert SD signal from DVD discs or DIGA's own hard disk drive into 1080p signals that provide high-resolution images. The conversion process boosts the amount of image information by about 6 times, so pictures are clear and beautiful.



* 1080p compatible TV required.

Up-Conversion

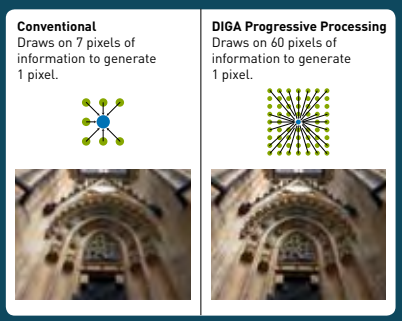
Creating an HD image from a non-HD source, requires as much information as possible about each pixel in the original image. In the up-conversion process, DIGA calculates eight pixels in the horizontal direction and eight in the vertical direction at the same time using a high-speed algorithm. The information obtained in this process is used to create smooth, natural-looking, high-resolution 1080p images.



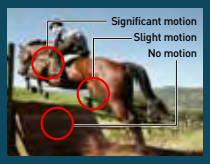
Intelligent i/p Conversion

DIGA uses Precision Pixel Generation technology in combination with three advanced functions - Pixel-Based Motion Adaptive, Diagonal Processing, and 2:2 Detection and Processing - to apply the type of i/p conversion that best suits the image.

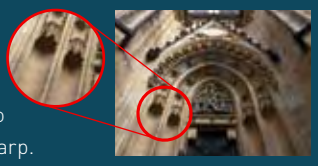
Precise Pixel Generation
Using a high-speed algorithm, this technology generates a new pixel for an image area from information obtained from 60 neighboring pixels.


Conventional
Draws on 7 pixels of information to generate 1 pixel.
DIGA Progressive Processing
Draws on 60 pixels of information to generate 1 pixel.

Pixel-Based Motion Adaptive
This function detects motion in the image and classifies it into one of four levels. It then applies the type of processing that's best suited to the level of motion.



Diagonal Processing
This function detects where there are diagonal lines in an image such as a building, and eliminates jaggy to make the lines smooth and razor sharp.



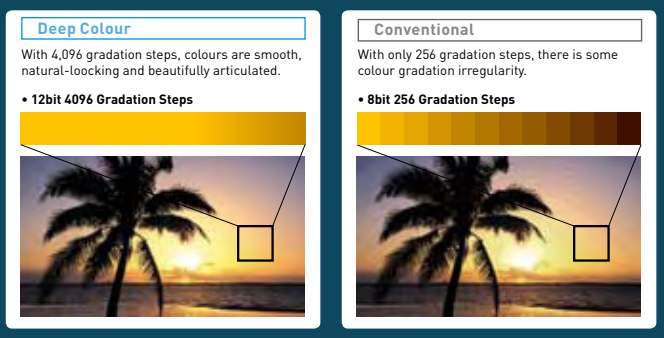
2:2 Detection and Processing
This function determines whether the playback source is a film or video. It then applies the most suitable type of i/p conversion accordingly.

Deep Colour

Deep Colour

DIGA is Deep Colour ready, which means they can reproduce images with 12-bit, 4,096-step gradation. You enjoy exceptionally rich, natural-looking colours, with smooth, detailed gradation and minimal colour banding.

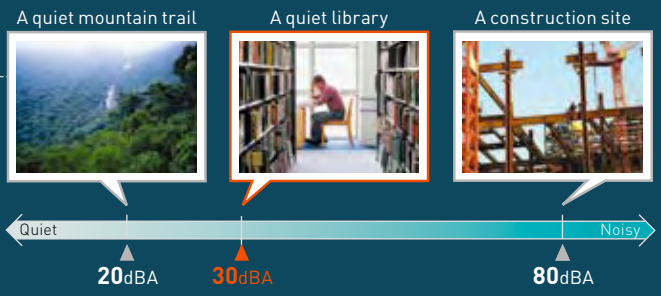
* The TV must also be Deep Colour compatible. Other TVs will display 8-bit, 256-step gradation.


Deep Colour
With 4,096 gradation steps, colours are smooth, natural-loocking and beautifully articulated.
• 12bit 4096 Gradation Steps
Conventional
With only 256 gradation steps, there is some colour gradation irregularity.
• 8bit 256 Gradation Steps

High Quality Sound

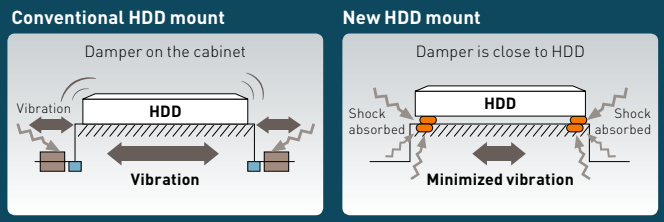
Silence Technology

By combining the vibration-suppressing hard disk drive damper and new fan control technology, DIGA not only minimises the effect of any noise that is generated but also employs a number of ingenious technologies to prevent noise at all. This gives it an extremely quiet operating sound of 30 dBA.



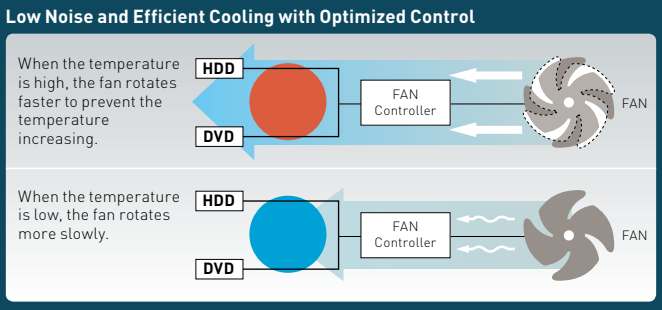
Hard Disk Drive Damper to Suppress Vibration

Locating the damper closer to the hard disk drive than in conventional hard disk drive mounting effectively improves absorption of hard disk drive vibrations.



Fan Control Technology for Quiet Operation

Based on information from the internal heat sensor, fan speed is finely controlled to prevent the internal temperature rising. By preventing an increase in fan speed, this reduces fan noise.



Pure Audio Electrolytic Capacitor

Pure audio electrolytic capacitors are manufactured by the highly regarded company Elna Co., Ltd. These capacitors are extremely resistant to vibration and ensure pure sound.

High-precision 192kHz 24bit DAC

Thanks to the 192kHz 24bit DAC used in pure audio components and optical digital output featuring a high-speed 50Mbps device boasting exceptional wave form response, DIGA faithfully reproduces sound sources.

384Kbps Audio Recording with SP mode

In the SP mode recording, 384Kbps high sound quality recording provides audio quality approaching that of commercially available DVD movie software. Even with music containing a wide range of tones, such as orchestral performances, the sound of individual instruments are beautifully reproduced.

High-speed 50Mbps Optical Output

Reproduction of high sound quality DVD-Video software with a sampling rate 96kHz or higher requires a transmission speed of 12.3Mbps or higher. The 12Mbps of regular optical outputs is insufficient, resulting in poor quality sound. With the 50Mbps high-speed optical output provided by the DIGA, transmission is more than fast enough to assure superb sound.

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Recorder Features: Easy Operation

VIERA Link

VIERA Link Enhancement

Auto Preset Download[1]

Connect DIGA to your VIERA TV via an HDMI cable, and the channel setting information is automatically downloaded to the Recorder.

Direct TV Rec.[1 3]

If you want to record the program you're watching, you can start immediately by pressing the VIERA Link button on the VIERA remote control and selecting "Direct TV Rec." on the VIERA Link menu screen.

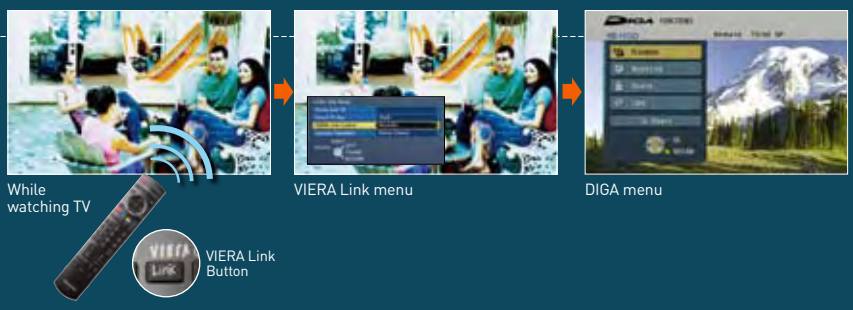
Pause Live TV[1 3] Pause Live TV with VIERA Link

Pause Live TV lets you freeze TV programs just like pausing a DVD or Blu-ray Disc™, by selecting "Pause Live TV" on the VIERA Link Menu. The TV program is temporarily saved on the hard disk drive so you can watch the rest of the program, right from the stopped frame, at a later time.
DMR-EX78, DMR-EX88 pause up to 8 hours and then delete in successive 30 minute lengths. DMR-BW500 and DMR-XW300 pause up to 8 hours and then delete all content. *HDD Models only

When you are watching TV
You suddenly have a visitor or phone call
HDMI
VIERA Link Button
You can easily pause live TV program with VIERA Link.

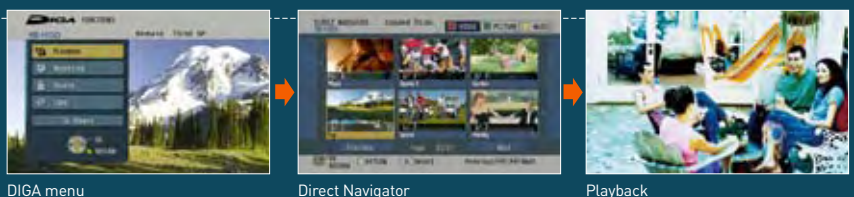
DIGA Menu Operation[1 2]

Suppose that while you are watching one TV program you decide that you want to play a previously recorded program or set the unit to record a future broadcast. Simply press the VIERA Link button, and the TV screen switches to the VIERA Link menu screen. After selecting the Recorder on the menu screen, you can set timer recordings or use playback functions on the fly.



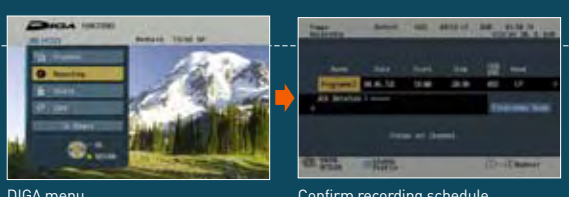
Direct Navigator Operation[1 2]

If you want to view previously recorded content, after the DIGA menu appears on the screen, simply select "Playback". Video thumbnails of recorded content will then appear on the screen. Select the desired thumbnail, and playback will commence.



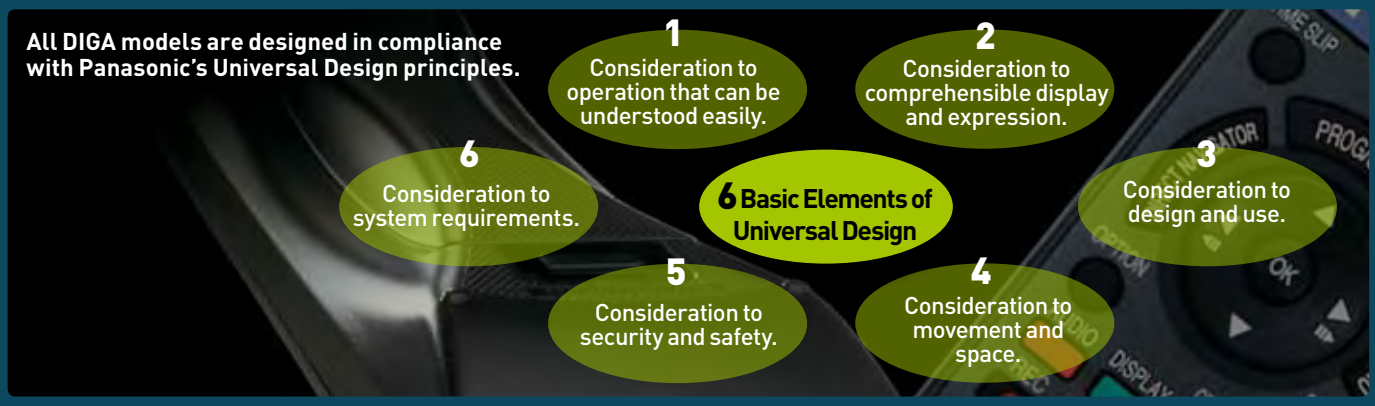
Recording[1 2 3]

When you want to program DIGA to record a broadcast, select "Recording" when the DIGA menu appears on the screen. You can select the desired channel and set up the recording schedule easily.



[1] This function is available for Recorders and VIERA products which are compatible with HDAVI Control 3 or later version - 2008/2009 VIERA
[2] This function is available for Recorders and VIERA products which are compatible with HDAVI Control 2 or later
[3] To record HD broadcasts a Panasonic HD-Tuner Recorder is required.

Universal Design


All DIGA models are designed in compliance with Panasonic's Universal Design principles.
1 Consideration to operation that can be understood easily.
2 Consideration to comprehensible display and expression.
3 Consideration to design and use.
4 Consideration to movement and space.
5 Consideration to security and safety.
6 Consideration to system requirements.
6 Basic Elements of Universal Design

Universal Design for the Main Unit

Frequently used buttons (Power, Open/Close) are located at the top of the unit. This makes them easier to see when the unit is placed in a cabinet where you need to look down to see the Recorder.

The buttons are angled for easy use.

Buttons that are less frequently used are concealed behind the lid to produce a clean, modern front panel design.

Universal Design for Remote Control

The remote control was designed for easy use.

Depressions for easy gripping

1 **5 cm wide:** Comfortable width for holding.
2 **Buttons:** The buttons are just the right size for easy use. Frequently used buttons are centred and colour-coded for easier operation.
Colours: The button colours contrast sharply with the remote control body. The colours* are also easily recognisable by people with vision problems.
3 **Cursor:** The 2.5cm diameter is the best size.
4 **Balance:** Mounting the batteries at the centre gives the unit optimum balance. This prevents the remote control from slipping out of your hand.
5 **Shape:** Depressions on the back make it easier to hold the remote control.

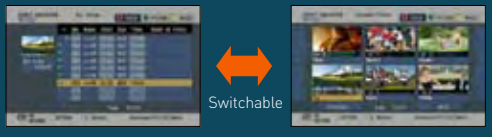
Universal Design for the Graphic User Interface

The graphical user interface (GUI) was developed based on the results of a Panasonic survey to ensure ease of use.

Four main functions:
The basic Recorder functions (Playback, Recording, Delete, Copy) are displayed on the first screen.

Function names:
Functions are indicated in plain, easy-to-understand language.

Menu screen:
The menu screen uses a combination of yellow and blue. These colours are perceived with only a small amount of difference by both people with normal vision and people with vision problems.



List View
List View allows easy selection of the content from many recordings by displaying a list.

Thumbnail View
Thumbnail View enables easy visual recognition of the content without having to check titles or dates.

* The images are the GUI of a DVD Recorder

Images are simulated and are for reference only

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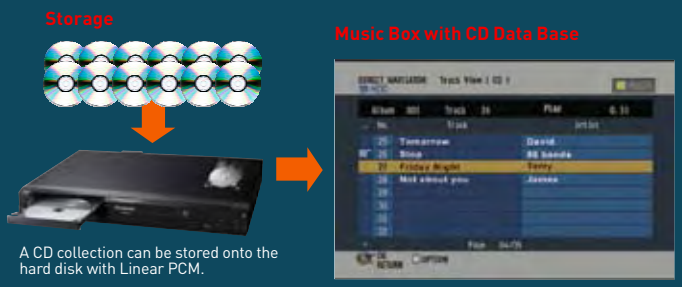
Recorder Features

Expanded Use

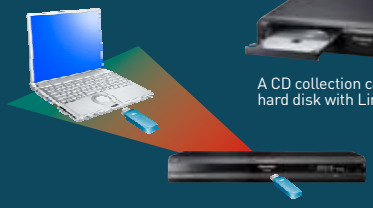
Juke Box with gracenote®

Music CDs and USB devices can be easily transferred to DIGA's hard disk drive. It supports gracenote®[1], so titles and artist names are automatically saved together with the music CD data. It also supports the ID3Tag title information that is embedded in MP3 music data. The new DIGA is like a jukebox that can be filled with your favourite music.



CD Database Update

If the pre-installed CD database does not contain the latest album titles, you can download new title data to your PC from the Internet. Then you can update the CD database by using a USB memory device to install the downloaded data into DIGA.



* CD database of approx 350,000 albums is pre-installed.

Digital Camera Linking through USB Terminal[3] & SD Memory Card[3]

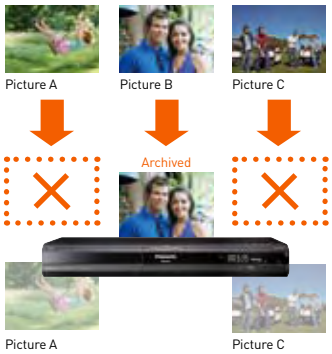
DIGA is equipped with an SD Memory Card[3] and a USB terminal. This makes it easy to view photos from any digital camera that uses an SD Memory Card or USB cable. Just slip the SD Memory Card into the card slot, or use the cable to connect the camera to the DIGA recorder's USB terminal, and you're ready to enjoy a spectacular big-screen slide show with family or friends.

Linking with SD Memory Card & USB Terminal.

Quick & Easy Photo Display

It's easy to use your large-screen TV to view JPEG photos stored on an SD Memory Card or in a digital camera's internal memory. You'll be blown away by how beautiful your high quality photos look on a big TV.

Intelligent Archiving* (from SD Memory Card only)



When new images on SD Memory Card are detected, no duplicated images are archived onto DIGA hard disk drive.

* The JPEG data from SD Memory Card only.

Auto Folder Creation

When JPEG images on an SD Memory Card and USB device are uploaded to hard disk drive or DVD-RAM, DIGA automatically creates folders on the hard disk drive or DVD-RAM and arranges them by date. You can also use your DIGA recorder to burn images onto a DVD-RAM disc from hard disk drive for permanent archiving.

Enjoy Multi Format with USB Terminal[3]

DIGA recorder can also play JPEG, MP3 and DivX®[2] files stored on a USB device, and they can transfer JPEG, MP3 data onto hard disk drive.

1 Gracenote and CDDB are registered trademarks of Gracenote. The Gracenote logo and logotype and the "Powered by Gracenote" logo are trademarks of Gracenote.
2 Official DivX® Certified product. Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license. About DivX®: DivX® is a popular media technology created by DivX®, Inc. DivX® media files contain highly compressed video with high visual quality that maintains a relatively small file size.
3. Not all models.

HDD/SD Camcorder Linking with USB Terminal

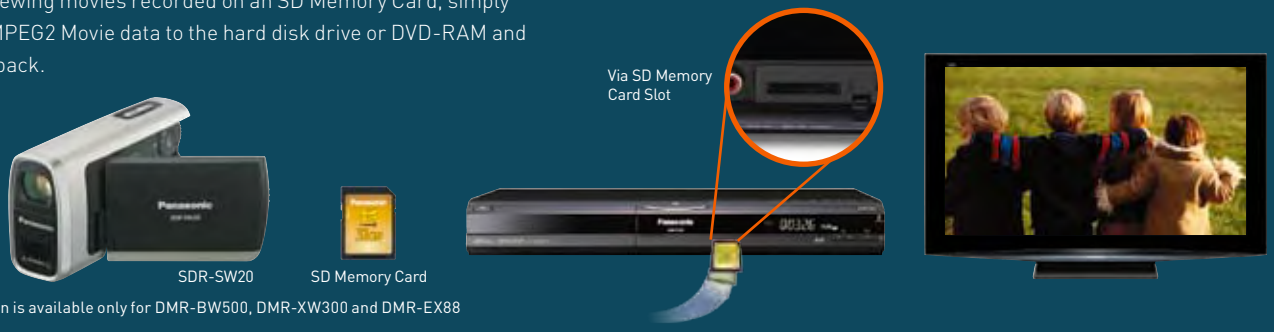
USB

Simply connect a digital video camera (HDD model and SD Memory Card model) to the USB terminal, you can record MPEG2 Movie data from the camcorder onto the DIGA's hard disk drive.

* This function is available only for DMR-BW500, DMR-XW300 and DMR-EX88
* Connection is possible with Panasonic camcorders (HDD models and SD Memory Card models).

MPEG2 Movie Recording & Playback with SD Memory Card Slot

To enjoy viewing movies recorded on an SD Memory Card, simply copy the MPEG2 Movie data to the hard disk drive or DVD-RAM and then play back.



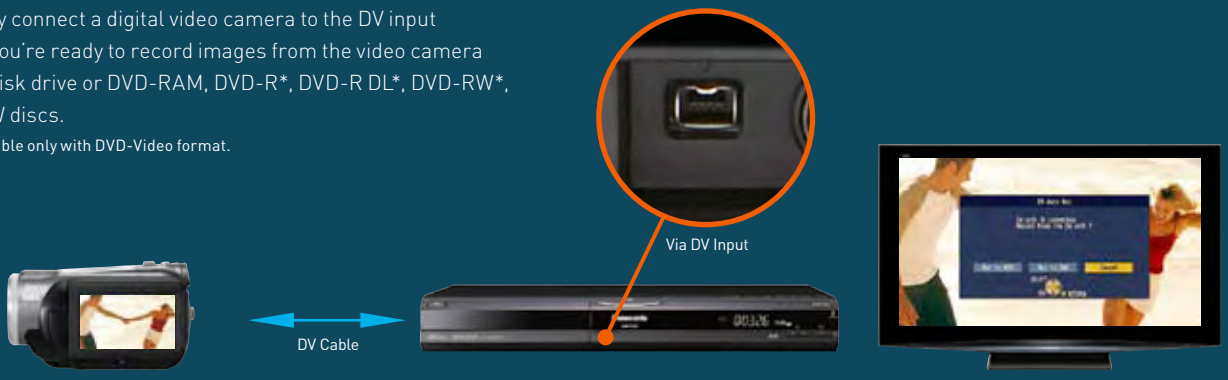
* This function is available only for DMR-BW500, DMR-XW300 and DMR-EX88

DV Auto Recording

DV Input

DV cable simply connect a digital video camera to the DV input terminal, and you're ready to record images from the video camera onto the hard disk drive or DVD-RAM, DVD-R*, DVD-R DL*, DVD-RW*, +R, +R DL, +RW discs.

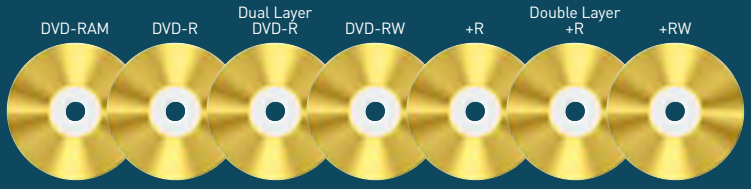
* Recording is possible only with DVD-Video format.



Super Multi-format Recording & Playback

All DIGA Recorders offer the ease and convenience of Super Multi-Format Recording and Playback, which lets users play all of their DVDs, regardless of the recording format. DIGA models can record and play back DVD-RAM[1], DVD-R[1 2], DVD-R DL[1 2 3], DVD-RW[1 2], +R, +R DL[3], +RW discs.

1 Including CPRM-compatible DVD Discs.
2 Recording is possible only in DVD-Video format.
3 You cannot directly record to a DVD-R DL and +R DL disc. Record to the HDD and then copy to the disc.



VR format recording is possible only with DVD-RAM. Playback is not possible for DVD-R, DVD-R DL discs that were recorded in VR format by a different recorder. Playback is possible with DVD-R, DVD-R DL, DVD-RW discs that were recorded and finalised in DVD-Video format by a different Recorder.

Images are simulated and are for reference only

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High Definition Recording

Blu-ray Disc™ Recorder with HDD (500GB) & Twin Digital HD Tuner, SD Memory Card Slot & USB Terminal

DMR-BW500

1. Integrated Twin HD Digital Tuner, Record Two Programs Simultaneously
2. Playback and Archive to Blu-ray Disc™ in 1920 x 1080p
4. 7 Day EPG
5. HD Optimiser with Digital Noise Reduction for Digital Broadcasting
6. HD Networking with SD Memory Card [AVCHD movie and JPEG (HD)]

For more details on DMR-BW500 please refer to Page 12-13

High Definition Recording Time

DMR-BW500 and DMR-XW300 let you record a large number of high definition digital broadcast TV programs with superb image quality.

HD RECORDING TIME						
Model			DMR-BW500 (500GB HDD Capacity)		DMR-XW300 (250GB HDD Capacity)	
			HD Broadcasting (15Mbps)	SD Broadcasting (8Mbps)	HD Broadcasting (15Mbps)	SD Broadcasting (8Mbps)
HIGH DEFINITION DR MODE						
HDD			72 hours	135 hours	36 hours	66 hours
Blu-ray Disc™	25GB	BD-R	3 h 20 min	6 h 30 min	-	-
		BD-RE				
	50GB	BD-R DL	6 h 40 min	13 hours	-	-
		BD-RE DL				
STANDARD DEFINITION EP MODE (8 HOURS)						
HDD			885 hours		441 hours	
DVD-RAM			8 hours		8 hours	
DVD-R/RW			8 hours		8 hours	
DVD-R DL			14 hours 20 min		14 hours 20 min	
DVD+R/+RW			8 hours		8 hours	

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DVD Recorder with Twin HD Tuner

The DMR-XW300 sets new standards in performance and design. Featuring Twin HD Tuners you'll never miss your favourite show on HD or SD Digital. Simultaneous recording and playback make it easy to record two HD programs while watching a DVD, pre-recorded program or using your TV's tuner another live TV show. 7 Day EPG makes recording a breeze, simply select your favourite program using the 'Guide' button on your remote control. TV programs are displayed up to 7 days in advance; recording has never been so easy.

Archiving HD Content has never been easier, recorded to your HDD, HD content can be easily archived to DVD seamlessly. HD Recordings are archived to DVD in SD quality automatically by the DMR-XW300 meaning you can share your favourite content in any DVD player.

DVD playback has never looked so good, featuring 1080p Up-conversion the DMR-XW300 upscales DVD to HD quality.

Panasonic's DMR-XW300 - the ultimate DVD Recorder.

DVD Recorder with HDD (250GB) & Twin Digital HD Tuner, SD Memory Card Slot & USB Terminal

DMR-XW300

1. Integrated Twin HD Digital Tuner, Record Two Programs Simultaneously
2. 7-day EPG
3. HD Optimiser with Digital Noise Reduction for Digital Broadcasting
4. HD Networking with SD Memory Card Slot

HD Recording
- Integrated Twin HD Digital Tuner
- Simultaneously Record Two Programs
- 7 Day EPG
- Group View*1
- HD Recording on HDD for Digital Broadcasting (DR mode)
- Down-convert SD Recording on DVD for Digital Broadcasting
- Subtitle Recording & Playback*9
- Long Recording with High Quality Picture (8-Hour EP mode: 441 hours)
- Max 75 x High Speed Copying from HDD to DVD
- Super Multi-Format Recording & Playback (DVD-RAM*2, DVD-R*2 3, DVD-R DL*2 3 4 DVD-RW*2 3, +R, +R DL*4, +RW discs)

High Quality Picture
- P4HD (Pixel Precision Progressive Processing for HD)
  - Precise Pixel Generation
  - 16-Level Motion Detection with Pixel-Based Motion Adaptive
  - Diagonal Processing
  - Detection of 3:2/2:2 Pull-Down Progressive Processing
  - i/p Conversion for 1080p* Playback
  - Up-Conversion to 1080p* Playback

  * HDMI connection required.
- 1080p Up-Conversion with HDMI
- HD Optimiser
- Detail Enhancer for Down-convert Recording
- Deep Colour
- 2x LP Horizontal Resolution (500 Lines)
- Real-Time Variable Bit Rate Control

High Quality Sound
- Audio Re-Master for All formats (LPCM, DVD-Video)
- 384 Kbps Audio Recording with SP mode
- High Quality 192 kHz/24 bit DAC
- Pure Audio Parts
- Digital Output (Optical: 50Mbps, Coaxial)
- Hard Disk Drive Damper to Suppress Vibration
- Fan Control Technology for Quiet Operation

HD Networking
- VIERA Link
  - Direct TV Rec.*5
  - Auto Preset Download*5
  - Pause Live TV*5
- HDD /SD Camcorder Linking with USB Terminal*6
- JPEG Full-HD Viewing with USB Terminal and SD Memory Card Slot
- MP3 playback with USB Terminal
- HD Movie (AVCHD) Recording & Playback*7 with SD Memory Card Slot
- Intelligent Photo Archiving with SD Memory Card
- Auto Folder Creation by Date with SD Memory Card and USB Terminal

Easy to Use
- Music Juke Box with gracenote (CD Database)
- EPG with Category Display
- DV Auto Recording (HDD, DVD-RAM*2, DVD-R*2 3, DVD-RW*2 3, +R, +RW disc) & Playlist Creation*8
- Auto Drive Select (HDD ↔ BD/DVD, HDD ↔ SD)
- Auto DVD Disc Finalising
- Direct Navigator for Quick, Easy Search
- Time Slip Functions* (HDD /DVD-RAM/ DVD-R/ DVD-R DL/ DVD-RW/ +R /+R DL/ +RW)

  *This function is available on DVD discs (DVD-R, DVD-R DL, DVD-RW, +R and +R DL) which are not completed for finalising.

Other Convenient Functions
- Quick View (x1.3) (HDD & DVD-RAM only)
- Playlist Playback
- Manual Skip
- Advanced VSS
- CPRM Recording Capability

*1 This function is available only for viewing the data on hard disk drive.
*2 Including CPRM-compatible DVD Discs.
*3 Recording is possible only in DVD-Video format.
*4 You cannot directly record to a DVD-R DL and +R DL disc. Record to the HDD and then copy to the disc.
*5 This function is available for Panasonic products that support VIERA Link (HDAVI Control 3 or above) - 2008/2009 VIERA.
*6 To watch movies recorded on USB device, copy the MPEG2 Movie data to the hard disk drive or DVD-RAM and then play back.
*7 For SD Movie, Video recording conversion and transfer is possible from card to HDD or DVD-RAM disc. After Video Recording conversion and transfer to HDD or DVD-RAM disc playback is possible.
*8 Only when recording onto the DVD-RAM or HDD
*9 DR Record Mode only.

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DVD Recorders

Incredible image quality, easy operation and outstanding connectivity, Panasonic Recorders are a great addition to any home.

All Panasonic 2008/2009 Recorders feature 1080p Up-conversion, ensuring all signals from ordinary DVD, VHS* or other recorded content are up-converted into spectacular 1080p signal.

In a high definition world your living room will have many devices; more devices mean more remote controls. Panasonic's VIERA Link takes all the confusion out of operating numerous devices. VIERA-Link allows you to control all your Panasonic components using one VIERA remote control. It's never been easier to control your high definition world.

All Panasonic Recorders feature the ability to copy, view and archive precious memories to Hard Drive or Disc. Featuring SD Memory Card Slot** and USB Input** Panasonic Recorders make it simple to use your TV as the centre piece of your home. Using your Recorder you can easily and quickly navigate through your favourite memories from your digital camera or camcorder, all without using your PC.

* DMR-EZ48V only
** Not all models

DVD Recorder with SD Tuner, HDD (400GB) & SD Card Slot

DMR-EX88

1. 400GB Hard Disk Drive
2. 1080p Up-Conversion with HDMI
3. VIERA Link & HDMI Simple Connection
4. Integrated DVB Tuner (SD)

High Picture Quality
- 1080p Up-Conversion with HDMI
- Intelligent i/p Conversion
- Integrated DVB Tuner (SD)
- Deep Colour
- 2x LP Horizontal Resolution (500 Lines)
- 4x Natural Gradation
- Progressive Scan
- Real Time Variable Bit Rate Control

Easy Operation
- VIERA Link & HDMI Simple Connection
  - Auto Preset Download[8]
  - Direct TV Record[8 9]
  - Pause Live TV[8 9]
- Super Multi-Format Recording & Playback (DVD-RAM[1], DVD-R[1 2], DVD-R DL[1 2 3], DVD-RW[1 2], +R, +R DL[3], +RW discs.)
- 1 Sec. Quick Start for Rec[4]. [HDD & DVD-RAM only]
- Auto Drive Select [HDD ⇔ DVD, HDD ⇔ SD Memory Card]
- Auto DVD Disc Finalising

Archive
- Photo Storage & JPEG View with SD slot
- MPEG2 Movie Recording & Playback with SD slot[5]
- DV Auto Recording (DVD-RAM[1], DVD-R[1 2], DVD-RW[1 2], +R, +RW disc) & Playlist Creation[6]
- DVD-RAM Advantage
- DivX®[7] Playback

1 Including CPRM-compatible DVD Discs.
2 Recording is possible only in DVD-Video format.
3 You cannot directly record to a DVD-R DL and +R DL disc. Record to the HDD and then copy to the disc.
4 When connecting to TV using 21-pin Scart, Component Video, Video or S-Video terminals. From the power on, recording starts in about 1 second after REC button is pressed. (Quick Start Mode).
5 To enjoy viewing movies recorded on an SD Memory Card, copy the MPEG2 Movie data to the hard disk drive or DVD-RAM and then play back.
6 Only when recording onto the DVD-RAM or HDD.
7 Official DivX® Certified product. Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license.
About DivX. DivX is a opular media technology created by DivX, Inc. DivX media files contain highly compressed video with high visual quality that maintains a relatively small file size.
8 This function is available for Panasonic products that support VIERA Link (HDAVI Control 3) - 2008/2009 VIERA
9 SD Digital only.

Dolby and the double-D symbol are registered trademarks of Dolby Laboratories."DTS" is a trademarks of Digital Theater Systems, Inc.

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DVD Recorder with SD Tuner, HDD (250GB)

DMR-EX78

1. 250GB Hard Disk Drive
2. 1080p Up-Conversion with HDMI
3. VIERA Link & HDMI Simple Connection
4. Integrated DVB Tuner (SD)

High Picture Quality
- 1080p Up-Conversion with HDMI
- Intelligent i/p Conversion
- Integrated DVB Tuner (SD)
- Deep Colour
- 2x LP Horizontal Resolution (500 Lines)
- 4x Natural Gradation
- Progressive Scan
- Real Time Variable Bit Rate Control

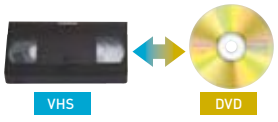
Easy Operation
- VIERA Link
  - Auto Preset Download[9]
  - Direct TV Record[9 10]
  - Pause Live TV[9 10]
- Super Multi-Format Recording & Playback (DVD-RAM[1], DVD-R[1 2], DVD-R DL[1 2 3], DVD-RW[1 2], +R, +R DL[3], +RW discs.)
- 1 Sec. Quick Start for Rec.[4] (HDD & DVD-RAM only)
- Auto Drive Select (HDD ↔ DVD)
- Auto DVD Disc Finalising

Archive
- DV Auto Recording (DVD-RAM[1], DVD-R[1 2], DVD-RW[1 2], +R, +RW disc) & Playlist Creation[8]
- DVD-RAM Advantage
- DivX®[7] Playback

DVD Recorder /VHS Combo with SD Tuner

DMR-EZ48V

1. One Touch Two Way Copying
2. 1080p Up-Conversion with HDMI
3. VIERA Link & HDMI Simple Connection
4. Integrated DVB Tuner (SD)



High Picture Quality
- 1080p Up-Conversion with HDMI
- Intelligent i/p Conversion
- Integrated DVB Tuner (SD)
- 2x LP Horizontal Resolution (500 Lines)
- VCR Refresh Copying to DVD
- Progressive Scan

Easy Operation
- VIERA Link
  - Auto Preset Download[9]
  - Direct TV Record[9 10]

- Super Multi-Format Recording & Playback (DVD-RAM[1], DVD-R[1 2], DVD-R DL[1 2 6], DVD-RW[1 2], +R, +R DL[6], +RW discs.)
- Auto Drive Select (DVD ↔ VHS)
- Auto DVD Disc Finalising
- One-touch 2-way Copying
- Direct Navigator for Quick, Easy Search
- 1 Sec. Quick Start for REC & EPG Display[4] (DVD-RAM only)
- Time Slip Function

Archive
- DV Auto Recording (DVD-RAM[1], DVD-R[1 2], DVD-RW[1 2], +R, +RW disc) & Playlist Creation[5]
- DivX®[7] Playback

1 Including CPRM-compatible DVD Discs. 2 Recording is possible only in DVD-Video format. 3 You cannot directly record to a DVD-R DL and +R DL disc. Record to the HDD and then copy to the disc. 4 When connecting to TV using 21-pin Scart, Component Video, Video or S-Video terminals. From the power on, recording starts in about 1 second after REC button is pressed. (Quick Start Mode). 5 Only when recording onto the DVD-RAM. 6 You can record onto the second layer of a dual or double layer disc after closing the first layer. 7 Official DivX® Certified product. Plays all versions of DivX® video (including DivX®[6]) with standard playback of DivX® media files. DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license. About DivX. DivX is a opular media technology created by DivX, Inc. DivX media files contain highly compressed video with high visual quality that maintains a relatively small file size. 8 Only when recording onto the DVD-RAM or HDD. 9 This function is available for Panasonic products that support VIERA Link (HDAVI Control 3) - 2008/2009 VIERA 10 SD Digital only.

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DVD Players

DVD Player with HDMI

DVD-S54

VIERA Link | 1080p Up-Conversion | HDMI | Deep Colour

1. High Quality Picture with High Resolution 1080p Up-Conversion and Deep Colour
2. VIERA Link with Seamless GUI
3. Multi-Format Playback (DVD Multi & DivX®[1])

Video Features
- 108MHz/12-bit Video D/A Converter
- Deep Colour
- HD Enhancer
- Advanced Progressive Scan* (PAL/NTSC)
  PAL Progressive Scan for Plasma Display/LCD/LCD Projector**
  [4:4:4 Signal Processing/4:3 Shrink Function/Letterbox Zoom]
  * To enjoy a progressive scan picture, a TV with progressive scan capabilities must be used.
  ** With compatible inputs
- Variable & Auto Zoom
- Digital Noise Reduction (MPEG DNR)
- Picture Mode (NORMAL, CINEMA1, CINEMA2, ANIMATION, DYNAMIC, SOFT SKIN DETAIL)
- Monitor Select for Optimum Picture Quality According to Monitor Type

Audio Features
- 192kHz/24-bit Audio D/A Converter
- Audio Re-Master for Higher Quality Audio Reproduction
- TV Delay
- Advanced Surround (V.S.S.) Creates a Surround Effect from Only Two Speakers (2 Modes)
- Dialogue Enhancer
- Dynamic Range Compression

Input/Output
- 1 HDMI Terminal (VIERA Link)
- Component Video Output
- S-Video Output
- Video Output
- 1 Digital Audio Output (1 Coaxial)

Convenience Features
- VIERA Link
- Multi-Format Playback (DVD-Video, DVD-RAM, DVD-RW[2], DVD-R[2], DVD-R (Dual Layer)[2], +R[2], +R (Double Layer)[2], +RW[2], CD, CD-R/RW[3], Video CD, SVCD[4], WMA, MP3[5], JPEG, MPEG4[6] and DivX®[1])
- Direct Navigator, Playlist Playback (DVD-RAM)
- Slow & Fast Audio Playback (DVD-RAM/ DVD-Video)
- Hi-Speed Search (x64)
- Quick OSD (Progress Indicator Included)
- Manual Skip
- Quick Replay
- Quick Guide Set Up
- Audio/JPEG Navigation Menu

DVD Player

DVD-S33-K

1. Multi-Format Playback (DivX®[1] and MPEG4[6] Playback)
2. High Quality Picture 108MHz/12-bit Video DAC & Digital Noise Reduction

Video Features
- 108MHz/12-bit Video D/A Converter
- Advanced Progressive Scan* [4:4:4 Signal Processing/4:3 Shrink Function/Letterbox Zoom]
  * To enjoy a progressive scan picture, a TV with progressive scan capabilities must be used.
- Variable & Auto Zoom
- Digital Noise Reduction (MPEG DNR)
- Picture Mode (NORMAL, CINEMA1, CINEMA2, ANIMATION, DYNAMIC, SOFT SKIN DETAIL)
- Monitor Select for Optimum Picture Quality According to Monitor Type

Audio Features
- 96kHz/24-bit Audio D/A Converter
- Advanced Surround (V.S.S.) Creates a Surround Effect from Only Two Speakers (2 Modes)
- Dialogue Enhancer
- Dynamic Range Compression

Input/Output
- Component Video Output
- S-Video Output
- Video Output
- 1 Digital Audio Output (1 Coaxial)

Convenience Features
- Multi-Format Playback (DVD-Video, DVD-RW[2], DVD-R[2], DVD-R (Dual Layer)[2], +R[2], +R (Double Layer)[2], +RW[2], CD, CD-R/RW[3], Video CD, SVCD[4], WMA, MP3[5], JPEG, MPEG4[6] and DivX®[1])
- Slow & Fast Audio Playback (DVD-Video)
- Hi-Speed Search (x64)
- Quick OSD (Progress Indicator Included)
- Manual Skip
- Quick Replay
- Quick Guide Set Up
- Audio/JPEG Navigation Menu

1 Official DivX® Certified product. Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license.
About DivX®
DivX® is a popular media technology created by DivX®, Inc. DivX® media files contain highly compressed video with high visual quality that maintains a relatively small file size.
2 Discs recorded and finalised on DVD video recorders/cameras.
3 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
4 Disc that cannot be played: "Chaoji VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.
5 For content recorded for personal use only.
6 You can play MPEG4 data [conforming to SD VIDEO specifications (ASF standard)/MPEG4 (Simple Profile) video system/G.726 audio system] recorded with the Panasonic SD multi cameras or DVD Recorders on to CD-R/RW or DVD-RAM.
This product is licensed under the MPEG-4 Visual patent portfolio license for the personal and non-commercial use of a consumer for (i) encoding video in compliance with the MPEG-4 Visual Standard ("MPEG-4 Video") and/or (ii) decoding MPEG-4 Video that was encoded by a consumer engaged in a personal and non-commercial activity and/or was obtained from a video provider licensed by MPEG LA to provide MPEG-4 Video. No license is granted or shall be implied for any other use. Additional information including that relating to promotional, internal and commercial uses and licensing may be obtained from MPEG LA,LLC. See **http://www.mpegla.com**.

Portable DVD Players

Portable DVD Player with Built-in LCD Monitor

DVD-LS86

1. Multi-Format Playback
2. Free Style Viewing with 8.5'' Diagonal Widescreen LCD Display
3. 13-hour Playback with Built-in Rechargeable Battery
4. Headrest Mounting Bracket Included

Portable Features
- Free Style Viewing with 8.5" Diagonal Widescreen LCD Display
- TV Aspect 16:9
- Up to 13-Hour Playback Time[9] with Included Rechargeable Battery
- Multi-Format Playback: DVD-Video, DVD-RAM, DVD-RW[1], DVD-R[1], DVD-R (Dual Layer)[1], +R[1], +R (Double Layer)[1], +RW[1], CD, CD-R/RW[2], Video CD, SVCD[3], HighMAT (Level 2), WMA, MP3[4], JPEG, MPEG4[5] and DivX®[6]
- Built-in Stereo Speaker
- LCD Mode
- LCD Selector (NORMAL/FULL)
- Picture Adjustment on LCD (BRIGHT/COLOUR)

When brightness is set to the lowest level and use of headphones.

Video Features
- 108MHz/12-Bit Video D/A Converter
- MPEG Digital Noise Reduction Removes Noise Components from the Video Signal
- Cinema Mode
- Depth Enhancer

Audio Features
- 96kHz/24-Bit D/A Converter
- Built-in Dolby Digital and DTS Decoder
- H. Bass

Convenience Features
- Headphone Terminal x2
- Electronic Skip Protection
- Advanced Surround (Speaker Surround/ Headphone Surround)
- Dialogue Enhancer
- AV Input/ Output
- iPod[7] Input (Audio/Video)
- Mono Arm for Flexible Display Angle
- Super Hi-Speed Scan: up to x200
- Variable Playback Speed Control (x0.6 – x1.4)
- Playback Mode Setting (REPEAT)
- FM Transmitter

Standard Accessories
- Car DC Adaptor
- Audio/Video Cord
- Battery Pack
- AC Adaptor
- Cable for iPod[7]
- Headrest Mounting Bracket[8]
- Plug Adaptor

You can also transform your car's rear seat area into a theatre in three easy steps!

1 Install the car bracket[8].

2 Mount the DVD-LS86 into the car bracket.

3 And your rear-seat theatre is completed!

Portable DVD Player with Built-in LCD Monitor

DVD-LS83

1. Multi-Format Playback
2. Free Style Viewing with 8.5'' Diagonal Widescreen LCD Display
3. Car DC Adaptor Included
4. 6 Hour Playback with Built In Rechargable Battery

Portable Features
- Free Style Viewing with 8.5" Diagonal Widescreen LCD Display
- TV Aspect 16:9
- Up to 6-Hour Playback Time[9] with Included Rechargeable Battery
- Multi-Format Playback: DVD-Video, DVD-RAM, DVD-RW[1], DVD-R[1], DVD-R (Dual Layer)[1], +R[1], +R (Double Layer)[1], +RW[1], CD, CD-R/RW[2], Video CD, SVCD[3], HighMAT (Level 2), WMA, MP3[4], JPEG, MPEG4[5] and DivX®[6]
- Built-in Stereo Speaker
- LCD Mode
- LCD Selector (NORMAL/FULL)
- Picture Adjustment on LCD (BRIGHT/COLOUR)

Video Features
- 108MHz/12-Bit Video D/A Converter
- MPEG Digital Noise Reduction Removes Noise Components from the Video Signal
- Cinema Mode
- Depth Enhancer

Audio Features
- 96kHz/24-Bit D/A Converter
- Built-in Dolby Digital and DTS Decoder
- H. Bass

Convenience Features
- Headphone Terminal x2
- Electronic Skip Protection
- Advanced Surround (Speaker Surround/ Headphone Surround)
- Dialogue Enhancer
- AV Input/ Output
- Mono Arm for Flexible Display Angle
- Super Hi-Speed Scan: up to x200
- Variable Playback Speed Control (x0.6 – x1.4)
- Playback Mode Setting (REPEAT)

Standard Accessories
- Car DC Adaptor
- Audio/Video Cord
- Battery Pack
- AC Adaptor

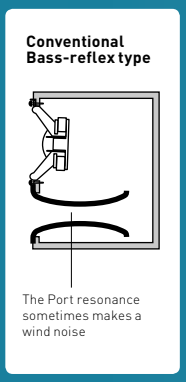
1 Discs recorded and finalised on DVD video recorders/cameras.
2 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
3 Disc that cannot be played: "Chaoji VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.
4 For content recorded for your personal use only.
5 You can play MPEG4 data [conforming to SD VIDEO specifications (ASF standard)/MPEG4 (Simple Profile) video system/G.726 audio system] recorded with the Panasonic SD multi cameras or DVD Recorders on to CD-R/RW or DVD-RAM.
This product is licensed under the MPEG-4 Visual patent portfolio license for the personal and non-commercial use of a consumer for (i) encoding video in compliance with the MPEG-4 Visual Standard ("MPEG-4 Video") and/or (ii) decoding MPEG-4 Video that was encoded by a consumer engaged in a personal and non-commercial activity and/or was obtained from a video provider licensed by MPEG LA to provide MPEG-4 Video. No license is granted or shall be implied for any other use. Additional information including that relating to promotional, internal and commercial uses and licensing may be obtained from MPEG LA,LLC. See **http://www.mpegla.com**.
6 Official DivX® Certified product.
Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license.
About DivX®
DivX® is a popular media technology created by DivX®, Inc. DivX® media files contain highly compressed video with high visual quality that maintains a relatively small file size.
7 iPod is a trademark of Apple Inc., registered in the U.S. and other countries
8 Depending on the type of headrest, you may not be able to attach the bracket.
9 When brightness is set to the lowest level and using headphones.

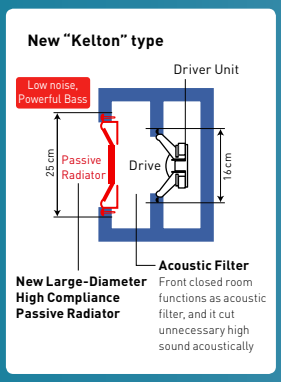
Premium Sound Quality

Kelton Subwoofer

SC-PT865W SC-PT560

The Kelton subwoofer uses a dual chamber structure, with a drive unit in the rear chamber and a 25cm Passive Radiator in the front chamber. The drive unit vibrates the front chamber, which causes the large Passive Radiator to vibrate and produce bass sounds. With this structure the front chamber serves as an acoustic filter, so you get a crisp sound with minimal noise. The thinness and high compliance of the passive radiator also help achieve an exceptionally clean, robust and responsive bass performance.





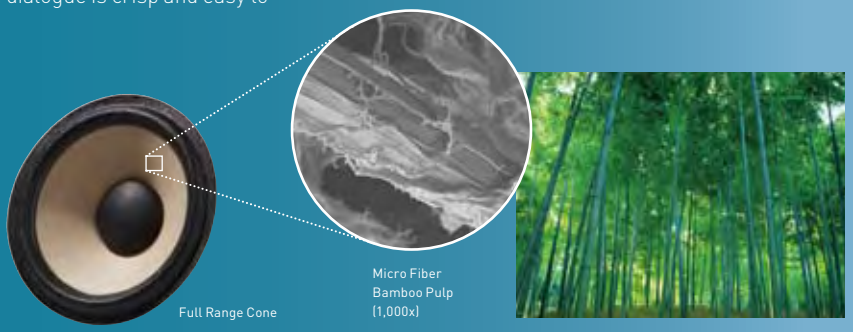
Bamboo Diaphragm Centre Speaker

SC-PT865W SC-PT560

A rigid, low-density bamboo material used in the centre speaker's diaphragms helps achieve a clean, responsive sound. Vocals are pure and clear, and dialogue is crisp and easy to understand.

Centre Speaker

	Bamboo	Paper
Sound Velocity (m/s)	2380	1900
Specific Gravity	0.37	0.40

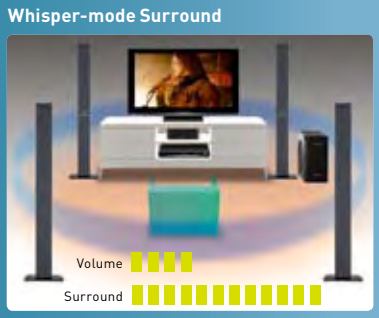


Whisper-mode Surround

SC-PT865W SC-PT560 SC-PT460

In the past, when you were watching a movie late at night with the volume turned down, the surround effect would be lost. Not with Whisper-mode Surround. It compensates for the sound pressure level of the low-frequency component (which contains the signals that affect the surround effect), so you're enveloped in a rich surround sound even when watching movies at low volume.

Whisper-mode Surround



New Media Friendly

Integrated Universal Dock for iPod

SC-PT865W SC-PT560 SC-PT460

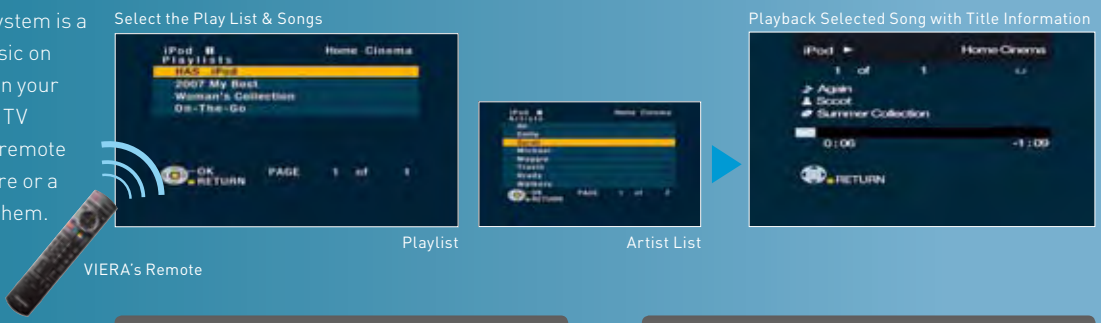
Just slip your iPod into the built-in cradle and enjoy. With the home theatre system's awesome picture and sound quality, you'll love listening to the music and watching the images on your iPod. There are no iPod or USB cables to connect, so it's super easy and your room stays tidy and uncluttered.

iPod Music / Video Capability

SC-PT865W SC-PT560 SC-PT460

iPod Music Playback and On-Screen Display for iPod Music Menu

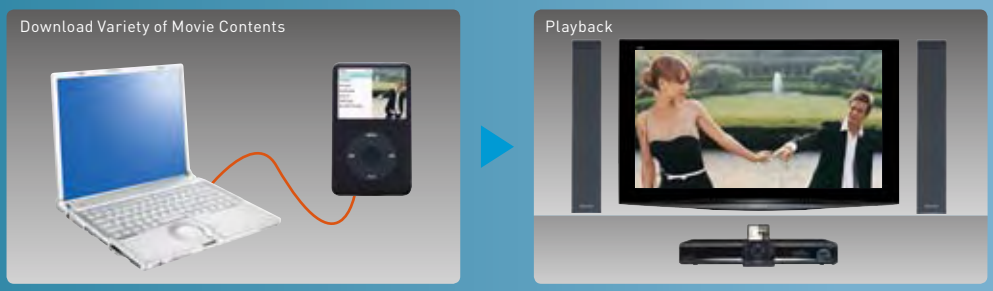
Panasonic's home theatre system is a great way to listen to the music on your iPod. The list of songs on your iPod can be displayed on the TV screen, and you can use the remote control from the home theatre or a VIERA TV to select and play them.



iPod Video Playback

Use the iPod screen to select a video, then sit back and enjoy awesome large-screen viewing and thunderous surround sound.

* To enjoy iPod Video contents, please connect your home theatre sound system with composite video cable to your TV.
* iPod not included.



Enjoy Multi Channel Contents of Set-top Box

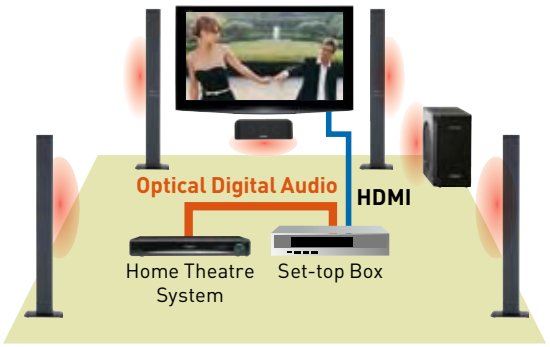
SC-PT865W SC-PT560 SC-PT460

Connect a VIERA TV or set top box to your home theatre system with an optical audio cable, and you can view programs and other content on your large-screen TV, while enjoying multi-channel surround sound.

* The video output of the set-top box must be connected to the TV, and the set-top box must be connected to the SC-PT865W/PT560/PT460 via an optical audio cable.

DOLBY DIGITAL
Compatible Audio Codec

Optical Input Terminal for 5.1ch Surround Sound

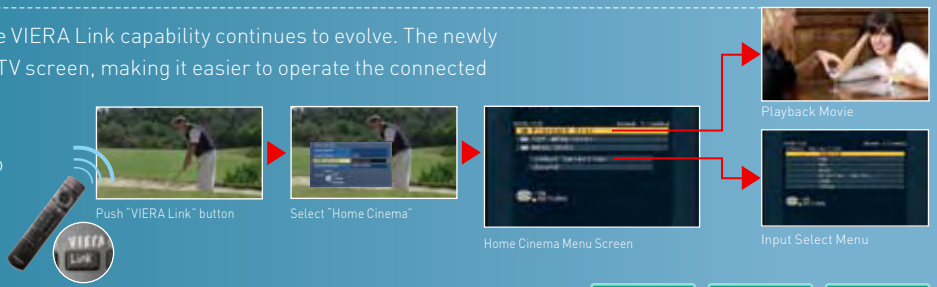


Easy to Use & Set-Up with VIERA Link

Easy to Use & Set-Up with VIERA Link New Seamless GUI

SC-PT865W SC-PT560 SC-PT460

As the types of media continue to increase, the VIERA Link capability continues to evolve. The newly enhanced VIERA Link displays a menu on the TV screen, making it easier to operate the connected equipment. For example, you can display a menu with a list of the music stored on your iPod, and use the VIERA remote control unit to select one and begin playback.



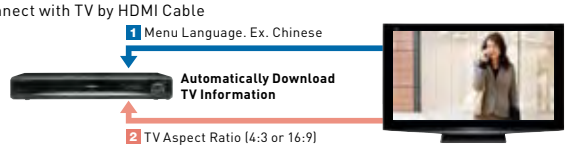
Auto Theatre Setup

SC-PT865W SC-PT560 SC-PT460

When you connect your home theatre system to a VIERA TV via an HDMI cable, the TV settings (menu language, aspect ratio, and so on) are automatically loaded into the home theatre system. This saves you the trouble of making those settings manually.

* This function is available for Panasonic products that support VIERA Link (HDAVI Control 3 or above).

Settings are automatically made by simply connecting with an HDMI cable.
Only connect with TV by HDMI Cable



Images are simulated and are for reference only

Premium DVD Home Theatre
— The Finest in Sound Technology, Media Linking and Control Features.

Use of a highly rigid bamboo material in the centre speaker helps achieve an extremely pure, clean sound. A Kelton system with a dual diameter structure delivers a deep, powerful bass. The Integrated Universal Dock for iPod gives you a great new way to enjoy the music and video on your iPod. And VIERA Link lets you control everything with a single remote. Leap into the HD age by transforming your living room into a Premium Sound DVD Theatre.

Premium DVD Home Theatre

DVD Home Theatre Sound System

SC-PT865W

1. Premium Sound Quality: Powerful Bass Sound "Kelton Subwoofer" & Clear Dialogue "Bamboo Diaphragm Centre Speaker"
2. Easy to Use with Premium Video Quality: High Quality Picture with 1080p Up-Conversion, Enjoy Additional Inter-Operability with Panasonic Products which Have VIERA Link
3. New Media Friendly: Integrated Universal Dock for iPod[1], Enjoy Your iPod Music & Video[2], On-Screen Display for iPod Music Menu, USB Connectivity for Audio/Video Playback

* Not all 2008 VIERA Link features are compatible with all 2006/2007 VIERA Link Products.

Home Theatre Receiver
- Home Theatre Mode: Total Output Power of 1250W (RMS)
- Digital Amplifier
- Whisper-mode Surround
- Surround Enhancer
- Dolby Pro Logic II (for Movie, Music) (for Disc/iPod/USB/Digital In/FM/AUX)
- Real Centre Focus
- EQ (Flat, Heavy, Clear, Soft)
- Subwoofer Level Control
- Subwoofer Boost
- Auto Speaker Setup for Quick and Easy Speaker Setting (Mic included)
- H.Bass
- Quartz-Synthesised Digital Tuning System
- AV Remote Control

DVD Features
- Built-in Dolby Digital & DTS Decoder
- Dialogue Enhancer
- Advanced Progressive Scan* (PAL/NTSC) (4:4:4 Signal Processing/4:3 Shrink Function/Letterbox Zoom)
  * To enjoy a progressive scan picture, a TV with progressive scan capabilities must be used.
- Cinema Mode
- Zoom (Normal, Auto, x2, x4)
- Multi-Format Playback (DVD-Video, DVD-RAM, DVD-R[3], DVD-RW[3], DVD-R (Dual Layer)[3], +R[3], +RW[3],+R (Double Layer)[3], SVCD[4], Video CD, CD, CD-R/RW[5],WMA, MP3[6], JPEG, MPEG4 and DivX®[7])
- Monitor Selector for Optimum Picture Quality According to Monitor Type
- 108MHz/12-bit Video D/A Converter
- Deep Colour

iPod Features
- On-Screen Display for iPod Music Menu
- iPod Music Playback
- iPod Video and Photo Playback*
  * Need a Composite Terminal connection

Input/Output
- 1 HDMI Terminal (VIERA Link)
- 1 Component Video Output
- 1 Video Output
- 1 Digital Input (Optical)
- 1 Wireless Rear Terminal
- 1 USB Terminal for MP3, WMA, JPEG, MPEG4 and DivX®
- 1 Analogue Audio Input for AUX

Speaker System
- 4 Tower Speakers + 1 Centre Speaker
- Wireless Rear Speaker Included
- Wall Mounting Holes

Front:
- Tower Speaker (Wall-Mountable)
- 3-Way Placement (Floor / Shelf / Wall Mounting)
- 6.5cm Full Range Speaker x 2

Centre:
- 6.5cm Full Range Speaker (Bamboo Diaphragm) x 2
- Magnetic Shielding for Home Theatre Use

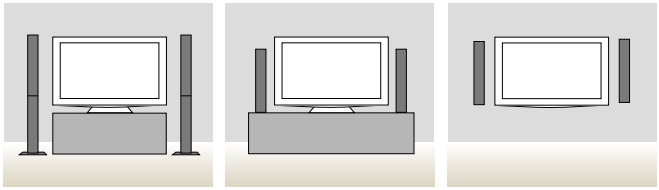
Surround:
- Tower Speaker (Wall-Mountable)
- 3-Way Placement (Floor / Shelf / Wall Mounting)
- 6.5cm Full Range Speaker

Subwoofer:
- 25cm Passive Radiator /16cm Woofer (Kelton Type)

Integrated Universal Dock for iPod

3-way Placement Tower Speaker (Floor/Shelf /Wall Mounting)

One advantage of flat-panel HDTVs is their installation flexibility. You can hang them on walls, mount them on shelves, or set them on the floor in special stands. To accommodate these possibilities, the SC-PT865W features four 3-way placement tower speakers. Each of these speakers can be placed anywhere, and each can be set on a floor stand, mounted on a shelf, or hung on the wall as desired. This gives you the freedom to position each one wherever it makes the most sense given the location of the TV and any component racks.



Floor | Shelf | Wall Mounting

1 Made for iPod. iPod not included. iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
2 To enjoy iPod video contents, please connect your Home Theatre Sound System with Composite cable to your TV.
3 Discs recorded and finalised on DVD video recorders/cameras.
4 Disc that cannot be played: "Chaoji VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.
5 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
6 For contents recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs.
7 Official DivX® Certified product. Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license. About DivX®
DivX® is a popular media technology created by DivX®, Inc. DivX® media files contain highly compressed video with high visual quality that maintains a relatively small file size.
8 Playback bit rate via USB is up to 4Mbps

DVD Home Theatre Sound System

SC-PT560

1. **High Sound Quality: Powerful Bass Sound "Kelton Subwoofer" & Clear Dialogue "Bamboo Diaphragm Centre Speaker"**
2. **Easy to Use with Premium Video Quality: High Quality Picture with 1080p Up-Conversion , Enjoy Additional Inter-Operability with Panasonic Products which Have VIERA Link**
3. **New Media Friendly: Integrated Universal Dock for iPod[1], Enjoy Your iPod Music & Video[2], On-Screen Display for iPod Music Menu, USB Connectivity for Audio/Video Playback**

* Not all 2008 VIERA Link features are compatible with all 2006/2007 VIERA Link Products.

Home Theatre Receiver

- Home Theatre Mode: Total Output Power of 1000W (RMS)
- Digital Amplifier
- Whisper-mode Surround
- Surround Enhancer
- Dolby Pro Logic II (for Movie, Music) (for Disc/iPod/USB/Digital In /FM/AUX)
- Real Centre Focus
- EQ (Flat, Heavy, Clear, Soft)
- Subwoofer Level Control
- Subwoofer Boost
- Quartz-Synthesised Digital Tuning System
- AV Remote Control

Integrated Universal Dock for iPod

DVD Features

- Built-in Dolby Digital & DTS Decoder
- Dialogue Enhancer
- Advanced Progressive Scan* (PAL/NTSC) (4:4:4 Signal Processing/4:3 Shrink Function/Letterbox Zoom)
  * To enjoy a progressive scan picture, a TV with progressive scan capabilities must be used.
- Cinema Mode
- Zoom (Normal, Auto, x2, x4)
- Multi-Format Playback (DVD-Video, DVD-RAM, DVD-R[3], DVD-RW[3], DVD-R (Dual Layer)[3], +R[3], +RW[3],+R (Double Layer)[3], SVCD[4], Video CD, CD, CD-R/RW[5], WMA, MP3[6], JPEG, MPEG4 and DivX®[7])
- Monitor Selector for Optimum Picture Quality According to Monitor Type
- 108MHz/12-bit Video D/A Converter
- Deep Colour

iPod Features

- On-Screen Display for iPod Music Menu
- iPod Music Playback
- iPod Video and Photo Playback*
  * Need a Composite Terminal connection

Input/Output

- 1 HDMI Terminal (VIERA Link)
- 1 Component Video Output
- 1 Video Output
- 1 Digital Input (Optical)
- 1 Wireless Rear Terminal
- 1 USB Terminal for MP3, WMA, JPEG, MPEG4 and DivX®
- 1 Analogue Audio Input for AUX

Speaker System

- 2 Tower Speakers + 1 Centre Speaker + 2 Satellite Speakers
- Wireless Ready for Rear Speakers
  * With the Purchase of SH-FX67.
- Wall Mounting Holes

Front:

- Tower Speaker (Wall-Mountable)
- 3-Way Placement (Floor / Shelf / Wall Mounting)
- 6.5cm Full Range Speaker

Centre:

- 6.5cm Full Range Speaker (Bamboo Diaphragm) x 2
- Magnetic Shielding for Home Theatre Use

Surround:

- 6.5cm Full Range Speaker

Subwoofer:

- 25cm Passive Radiator /16cm Woofer (Kelton Type)

1000W (RMS)

1 Made for iPod. iPod not included. iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
2 To enjoy iPod video contents, please connect your Home Theatre Sound System with Composite cable to your TV.
3 Discs recorded and finalised on DVD video recorders/cameras.
4 Disc that cannot be played: "Chaoji VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.
5 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
6 For contents recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs.
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DivX® is a popular media technology created by DivX®, Inc. DivX® media files contain highly compressed video with high visual quality that maintains a relatively small file size.
8 Playback bit rate via USB is up to 4Mbps

SC-PT460

1080p Up-Conversion

1. High Sound Quality : High Power Sound and Clear Dialogue "Bamboo Diaphragm" Centre Speaker
2. Easy to Use with Premium Video Quality: High Quality Picture with 1080p Up-Conversion , Enjoy Additional Inter-Operability with Panasonic Products which Have VIERA Link
3. New Media Friendly: Integrated Universal Dock for iPod[1] Enjoy Your iPod Music & Video[2], On-Screen Display for iPod Music Menu, USB Connectivity for Audio/Video Playback

* Not all 2008 VIERA Link features are compatible with all 2006/2007 VIERA Link Products.

Home Theatre Receiver

- Home Theatre Mode: Total Output Power of 1000W (RMS)
- Digital Amplifier
- Whisper-mode Surround
- Surround Enhancer
- Dolby Pro Logic II (for Movie, Music) (for Disc/iPod/USB/Digital In /FM/AUX)
- Real Centre Focus
- EQ (Flat, Heavy, Clear, Soft)
- Subwoofer Level Control
- Subwoofer Boost
- Quartz-Synthesised Digital Tuning System
- AV Remote Control

DVD Features

- Built-in Dolby Digital & DTS Decoder
- Dialogue Enhancer
- Advanced Progressive Scan* (PAL/NTSC) (4:4:4 Signal Processing/4:3 Shrink Function/Letterbox Zoom)
  * To enjoy a progressive scan picture, a TV with progressive scan capabilities must be used.
- Cinema Mode
- Zoom (Normal, Auto, x2, x4)
- Multi-Format Playback (DVD-Video, DVD-RAM, DVD-R[3], DVD-RW[3], DVD-R (Dual Layer)[3], +R[3], +RW[3],+R (Double Layer)[3], SVCD[4], Video CD, CD, CD-R/RW[5], WMA, MP3[6], JPEG, MPEG4 and DivX®[7])
- Monitor Selector for Optimum Picture Quality According to Monitor Type
- 108MHz/12-bit Video D/A Converter
- Deep Colour

iPod Features

- On-Screen Display for iPod Music Menu
- iPod Music Playback
- iPod Video and Photo Playback*
  * Need a Composite Terminal connection

Speaker System

- 4 Satellite Speakers + Centre Speaker
- Wall Mounting Holes
- Wireless Ready Rear Speakers

Front:
- 6.5cm Full Range Speaker

Centre:
- 6.5cm Full Range Speaker
- Magnetic Shielding for Home Theatre Use

Surround:
- 6.5cm Full Range Speaker

Subwoofer:
- 16cm Woofer

Integrated Universal Dock for iPod

Input/Output

- 1 HDMI Terminal (VIERA Link)
- 1 Component Video Output
- 1 Video Output
- 1 Digital Input (Optical)
- 1 USB Terminal for MP3, WMA, JPEG MPEG4 and DivX®
- 1 Analogue Audio Input for AUX
- 1 Wireless Rear Terminal

1000W (RMS)

1 Made for iPod. iPod not included. iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
2 To enjoy iPod video contents, please connect your Home Theatre Sound System with Composite cable to your TV.
3 Discs recorded and finalised on DVD video recorders/cameras.
4 Disc that cannot be played: "Chaoji VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.
5 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
6 For contents recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs.
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8 Playback bit rate via USB is up to 4Mbps

SC-HT65

1. Full HD 1080p Signal Transfer
2. Enjoy Additional Inter-Operability with Panasonic Products which have Viera Link* (HDAVI Control)
3. Wireless Ready allows you to upgrade to Rear Wireless Speakers

Home Theatre Receiver
- Home Theatre Mode: Total Output Power of 1000W (RMS)
  Front: 125W x 2 (1kHz, 3 ohms, 10% THD)
  Centre: 250W (1kHz, 3 ohms, 10% THD)
  Surround: 125W x 2 (1kHz, 3 ohms, 10% THD)
  Subwoofer: 250W (100Hz, 6 ohms, 10% THD)
- 5.1ch Digital Amplifier
- Built-in Dolby Digital® & DTS® Decoder
- Dolby® Pro Logic® II
- Centre Focus
- Sound Field Control (Music - Live, Pop/Rock, Vocal, Jazz, Dance, Party. Movie - Drama, Action, Sports, Musical, Game, Mono)
- Auto Speaker Set Up for Quick and Easy Speaker Setting
- Large Speaker Terminals for All Channels
- Subwoofer Output for Extended Bass Reproduction
- RDS
- Quartz-Synthesised Digital Tuning System
- AV Remote Control Commands Panasonic TVs, DVD Players and DVD Recorders

Input/Output
- HDMI Terminals (2-In, 1-Out, Viera Link)
- 3 Audio Inputs
- 3 Digital Inputs (2 Optical, 1 Coaxial)

Speaker System
- 2 Tower Speakers + 1 Centre Speaker & 2 Satellite Speakers
- Wall Mounting Holes

Front:
- Tower Speaker (Wall Mountable)
- 3-Way Placement (Floor/Shelf/Wall Mounting)
- 6.5cm Full Range Speaker

Centre:
- 6.5cm Full Range Speaker x 2
- Magnetic Shielding for Home Theatre Use

Surround:
- 6.5cm Full Range Speaker

Subwoofer
- Passive Subwoofer
- 16cm Woofer

* VIERA Link is a Panasonic distinctive name for the function of HADAVI Control
Not all 2007 VIERA Link features are compatible with all 2006 VIERA Link products.

Wireless Kit for Rear Speakers

SH-FX67

1. Provides Wireless Rear Audio with a Wireless-Ready Home Theatre
2. High-Power Home Theatre Sound
3. Easy-to Set-up Compact Receiver

Wireless Receiver Unit
- Output Power: 125W x 2 (Home Theatre Mode)
- Digital Amplifier
- 2 Speaker Jacks
- 3-Position Switch for Flexible Setting [Left Surround/Right Surround (5.1ch), Left Surround/ Left Surround Back (7.1ch), Right Surround/ Right Surround Back (7.1ch)]
- ID Set Switch

Digital Transmitter Card
- Easy-Insert Adaptor Terminals
- Frequency: 2.4GHz

Speaker System for SC-BT105

SB-HS100A

1. Ideal Optional Surround Sound Speakers for Blu-ray Disc™ Theatre
2. A Detachable Stand Allowing either Wall Mounting or Low-Board Placement

Features
- 6.5cm Full Range Speaker
- 1-Way 1-Speaker Bass-reflex
- Input Power Max 125W (RMS)
- Frequency Range up to 20 kHz
- Overload Protector

* For SC-BT105 Only

Images are simulated and are for reference only

DVD Sound System

Multi Layout Speaker System for Optical Sound Quality from Every Music Source

Bi-Amp Twin Speaker Quality Sound >> Hi-Fi

Powerful Stereo Sound >> Music

Multi Layout Speaker System

5.1ch Surround Sound >> Movie

Multi Speaker Party Sound >> Party

DVD Sound System

DVD Mini System

SC-NC9

1. Multi Layout Speakers System
2. High Quality Picture & Easy Operation with 1080p Up-Conversion & VIERA Link
3. USB Connection for MP3, WMA, JPEG and MPEG4[2] Playback

Amp Section
- Powerful Sound: 590W (RMS)
- Bi-Amp Twin Speakers with Centre & Subwoofer On/Off
- Digital Amplifier
- H.Bass
- Centre Focus
- Surround
- Preset EQ (Heavy, Soft, Clear, EQ Off)
- Manual EQ
- Subwoofer Level Control
- Double FL Display (8 Lines Dot Matrix & Icon FL)
- Wireless Full Remote Control

DVD Section
- Built-in Dolby Digital & DTS Decoder
- Dolby Pro Logic II
- Dialogue Enhancer
- Advanced Progressive Scan* (NTSC/PAL) (4:4:4 Signal Processing/4:3 Shrink Function/Letterbox Zoom & Shift)
  * To enjoy a progressive scan picture, a TV with progressive scan capabilities must be used.
- Cinema Mode
- 4:3 TV Zoom
- Multi-Format Playback (DVD-Video, DVD-RAM, DVD-RW[3], DVD-R[3], DVD-R (Dual Layer)[3], +R[3], +R (Double Layer)[3], +RW[3], SVCD[4], Video CD, CD, CD-R/RW[5], HighMAT (Level 2), WMA, MP3[1], JPEG, MPEG4[2] and DivX®[6])
- Monitor Select for Optimum Picture Quality According to Monitor Type
- 108MHz/12-bit Video D/A Converter

Cassette Deck Section
- Feather-Touch Auto-Reverse Deck

Tuner Section
- Digital Synthesiser Tuner
- 60 Stations (30-FM/30-AM) Preset Memory

Input / Output
- 1 HDMI Terminal (VIERA Link)
- 1 Component Video Out
- 1 S-Video Out
- 1 Video Out
- USB Terminal for MP3, WMA, JPEG, MPEG4 Playback
- Front Music Port for Portable Audio Player (M3)
- 1 Audio Input for AUX

Speaker System
Front:
- 16cm Woofer and 2.5cm Dome Tweeter
- Magnetic Shielding for Home Theatre Use

Centre:
- 6.5cm Full Range Speaker x 2
- Magnetic Shielding for Home Theatre Use

Surround:
- 16cm Woofer and 2.5cm Dome Tweeter
- Magnetic Shielding for Home Theatre Use

Subwoofer:
- 17cm Woofer

590W
(RMS)

1 For contents recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs. 2 You can play MPEG4 data [conforming to SD VIDEO specifications (ASF standard)/MPEG4 (Simple Profile) video system/G.726 audio system] recorded with the Panasonic SD multi cameras or DVD Recorders on to CD-R/RW or DVD-RAM. 3 Discs recorded and finalised on DVD video recorders/cameras. 4 Disc that cannot be played: "Chaoji VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107. 5 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording. 6 Official DivX® Certified product. Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license. About DivX®: DivX® is a popular media technology created by DivX®, Inc. DivX® media files contain highly compressed video with high visual quality that maintains a relatively small file size.

DVD Mini System

SC-VK860

1. Powerful Sound with 2x Twin Advanced Cone Subwoofer System, 660W (RMS)
2. Easy Connect to DAP with Music Port and USB Plug and Play
3. Multi-Format Playback Including DivX®[6]

Amp Section
- Surround Enhancer
- Super Sound EQ for Dynamic Sound at the Touch of a Button
- Preset EQ (Heavy, Clear, Soft, Disco, Live, Hall)
- Manual EQ
- Super Surround Sound (Music, Movie, Party)
- Subwoofer Level Control
- Spectrum Analyser FL Display
- Energy Saving: Low Standby Power Consumption
- Programmable Timer (PLAY/REC/SLEEP) and Clock Function
- Panasonic TV Control
- Wireless Full Remote Control

660W (RMS)

DVD/VCD/CD Changer Section
- Easy-to-Use 5 Disc Changer with "Play 1, Change 4", Disc Checking
- Advanced Progressive Scan* (NTSC/PAL) (4:4:4 Signal Processing/4:3 Shrink Function/Letterbox Zoom & Shift)

* To enjoy a progressive scan picture, a TV with progressive scan capabilities must be used.

- Built-in Dolby Digital & DTS Decoder
- Dolby Pro Logic II
- Sound Enhancement
- Multi-Format Playback (DVD-Video, DVD-RAM, DVD-RW[2], DVD-R[2], DVD-R (Dual Layer)[2], +R[2], +R (Double Layer)[2], +RW[2], SVCD[6], Video CD, CD, CD-R/RW[3], HighMAT (Level 2], WMA, MP3[4], JPEG, MPEG4[5], and DivX®[1])
- 4:3 TV Zoom
- 108MHz/12-bit Video D/A Converter
- Cinema Mode
- Dialogue Enhancer
- Monitor Selector

Cassette Deck Section
- Feather Touch Dual Deck with 1 Side Auto Reverse

Tuner Section
- Digital Synthesiser Tuner
- 35-Station (20-FM/15-AM) Preset Memory

Input / Output
- 1 Component Video Out
- 1 Video Out
- USB Terminal for MP3, WMA, JPEG4 and MPEG4 Playback
- Front Music Port for Portable Audio Player (M3)
- 1 Audio Input for AUX

Speaker System
Front:
- 20cm Woofer and 12cm Full Range and 2.5cm Titanium Dome Tweeter
- Magnetic Shielding for Home Theatre Use

Centre:
- 8cm Full Range x 2 and Super Tweeter
- Magnetic Shielding for Home Theatre Use

Surround:
- 8cm Full Range x 2 and Super Tweeter

Subwoofer:
- Twin 16cm Embossing Aluminum Cone Subwoofer

DVD Mini System

SC-VK660

1. Powerful Bass Sound with External Subwoofer (2.1ch), 345W (RMS)
2. Easy-to-Use 5-Disc Changer with Play 1, Change 4
3. Multi-Format Playback Including DivX®[6]

Amp Section
- Super Sound EQ for Dynamic Sound at the Touch of a Button
- Preset EQ (Heavy, Clear, Soft, Disco, Live, Hall)
- Manual EQ
- Advanced Surround
- Subwoofer Level Control
- Spectrum Analyzer Level Meter FL Display
- Energy Saving: Low Standby Power Consumption
- Programmable Timer (PLAY/REC/SLEEP) and Clock Function
- Panasonic TV Control
- Wireless Full Remote Control

DVD/VCD/CD Changer Section
- Easy-to-Use 5 Disc Changer with "Play 1, Change 4", Disc Checking
- Advanced Progressive Scan* (NTSC/PAL) (4:4:4 Signal Processing/4:3 Shrink Function/Letterbox Zoom & Shift)

* To enjoy a progressive scan picture, a TV with progressive scan capabilities must be used.

- Built-in Dolby Digital & DTS Decoder (2ch)
- Sound Enhancement
- Multi-Format Playback (DVD-Video, DVD-RAM, DVD-RW[2], DVD-R[2], DVD-R (Dual Layer)[2], +R[2], +R (Double Layer)[2], +RW[2], SVCD[6], Video CD, CD, CD-R/RW[3], HighMAT (Level 2], WMA, MP3[4], JPEG, MPEG4[5], and DivX®[1])
- 4:3 TV Zoom
- 108MHz/12-bit Video D/A Converter
- Cinema Mode
- Dialogue Enhancer
- Monitor Selector

Cassette Deck Section
- Feather Touch Dual Deck with 1 Side Auto Reverse

Tuner Section
- Digital Synthesiser Tuner
- 35-Station (20-FM/15-AM) Preset Memory

Input / Output
- 1 Component Video Out
- 1 Video Out
- Front Music Port for Portable Audio Player (M3)
- 1 Digital Output (Coaxial)
- 1 Audio Input for AUX

Speaker System
Front:
- 16cm Woofer and 6cm Tweeter and Super Tweeter
- Magnetic Shielding for Home Theatre Use

Subwoofer:
- 16cm Subwoofer

345W (RMS)

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2 Discs recorded and finalised on DVD video recorders/cameras.
3 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
4 For contents recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs.
5 You can play MPEG4 data [conforming to SD VIDEO specifications (ASF standard)/MPEG4 (Simple Profile) video system/G.726 audio system] recorded with the Panasonic SD multi cameras or DVD Recorders.
6 Disc that cannot be played: "Chaoji VCD" available on the market including CVD, DCVD, and SVCD, that do not conform to IEC62107.

CD Mini System

SC-AK770

CD-R/RW playback MP3 PLAYBACK

1. High Power & Heavy Bass with Big 16cm Woofer and 25cm External Subwoofer
2. USB Recording form CD with Max. 4 Times Speed
3. Compatible with Optional Panasonic Universal Dock for iPod[4] (SH-PD10)

Amp Section
- Total Output Power of 700W (RMS)

CD Player Section
- 5-CD Changer with 5 Direct Play Keys & Multi Disc Change Capability - Play 1, Change 4
- Multi CD Function (Random, Program, Repeat Play)
- MP3[1] Playback
- MP3 Function : ID3 Tag and Album Skip
- CD-R/RW[2] Playback
- MASH[3] 1-Bit D/A Conversion System

Cassette Deck Section
- Feather-Touch Cassette Mechanism
- 9-Track TPS (Tape Program Sensor)

Tuner Section
- Digital Synthesiser Tuner
- 45-Station (30-FM/15-AM) Preset Memory
- Auto Tuning

Speaker System
Front:
- 16cm Woofer and 6cm Tweeter

Subwoofer:
- 25cm External Subwoofer with Level Control

Other Section
- USB & Music Port for Digital Audio Player Playback
- USB Recording form CD with max. 4 Times Speed
- Re-Master for Compressed Sound Reproduction (with analogue/digital processing)
- D.Bass for Heavy Bass Sound
- Preset EQ (Heavy, Soft, Clear, Vocal) and Surround Control and Manual EQ with Independent Bass Control Knob
- Fluorescent Display
- Auto Power Off Mode
- Programmable Timer (PLAY/REC[5]/SLEEP)
- Clock Function
- Wireless Remote Control

SH-PD10
Optional iPod Dock

700W
(RMS)

Remote Control Included

USB music port 5 CD CHANGER Big 25cm S.Woofer Manual EQ

CD Mini System

SC-AK270

CD-R/RW playback MP3 PLAYBACK

1. High Power & Heavy Bass with Control
2. Large Speaker System with 16cm Woofer
3. USB & Music Port for Digital Audio Player Playback

Amp Section
- Total Output Power of 250W (RMS)
- Preset EQ (Heavy, Soft, Clear, Vocal, Disco, Live, Hall) and Manual EQ with Independent Bass Control Knob
- D.Bass for Heavy Bass Sound

CD Player Section
- 5-CD Changer with 5 Direct Play Keys & Multi Disc Change Capability - Play 1, Change 4
- Multi CD Function (Random, Program, Repeat Play)
- MP3[1] Playback
- MP3 Function : ID3 Tag and Album Skip
- CD-R/RW[2] Playback
- MASH[3] 1-Bit D/A Conversion System

Cassette Deck Section
- Feather-Touch Cassette Mechanism

Tuner Section
- Digital Synthesiser Tuner
- 40-Station (25-FM/15-AM) Preset Memory
- Auto Tuning

Speaker System
- 16cm Woofer and 6cm Tweeter

Other Section
- Re-Master for Compressed Sound Reproduction (with analogue/digital processing)
- Bass Boost Function
- Fluorescent Display
- Auto Power Off Mode
- Programmable Timer (PLAY/REC/SLEEP)
- Clock Function
- Wireless Remote Control

250W
(RMS)

USB music port 5 CD CHANGER Manual EQ

1 MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia. For contents recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs.
2 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
3 Matsushita Electric Industrial Co., Ltd., incorporates MASH (multi-stage noiseshaping technology) in its products under technical license from NTT.
4 iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
5 Only tape, music port.

Micro System

DVD Micro System

SC-PM86D

1080p Up-Conversion

1. High Quality Sound with PP Mica Woofer for Clear Dialogue and High Quality Picture with 1080p Conversion HDMI
2. VIERA Link for Inter-Operability with Panasonic Products which Have VIERA Link
3. USB Connectivity for Audio/Video Playback and Compatible with Optional Panasonic Universal Dock for Ipod[7] (SH-PD10)

Amp Section
- 160W Total Output Power (RMS)
- 4 Preset EQ (Heavy, Clear, Soft, Vocal) and Manual EQ

DVD Player Section
- Playable Type: DVD-Video, DVD-RAM, DVD-RW[1], DVD-R[1], DVD-R (DL)[1], +R[1], +R (DL)[1], +RW[1], SVCD[2], VCD, CD, CD-R/RW[3], MP3[4], WMA, JPEG, MPEG4 and DivX®[5]
- Progressive Scan
- Cinema Mode
- Zoom (Normal, Auto, x2, x4)
- Dolby Digital Decoder & DTS Digital Out
- Dialogue Enhancer

Tuner Section
- Digital Synthesiser Tuner
- 45-Station (30-FM/15-AM) Preset Memory

Speaker System
- 2-Way Bass-Reflex System with 10cm PP Mica Woofer and Tweeter
- MDF Baffle
- Magnetic Shield
- Detachable Speaker Grills

Other Section
- Playable Type for USB: MP3, WMA, JPEG, DivX® and MPEG4
- Music Port for Digital Audio Player Connection
- Re-Master for Compressed Sound Reproduction (with analogue/digital processing)
- D.Bass
- Surround Circuit
- Fluorescent Display
- Programmable Timer (PLAY/SLEEP)
- Wireless Remote Control

SH-PD10
Optional iPod Dock

160W
(RMS)

1 Discs recorded and finalised on DVD video recorders/cameras.
2 Disc that cannot be played: "Chaoji VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.
3 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
4 MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia. For contents recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs.
5 Official DivX® Certified product. Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license.
About DivX®: DivX® is a popular media technology created by DivX®, Inc. DivX® media files contain highly compressed video with high visual quality that maintains a relatively small file size.
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7 iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

Micro System

CD Micro System

SC-PMX3

1. High Quality Sound: 3-Way Speaker System with PP Mica Woofer and Soft Dome Tweeter
2. USB Recording from CD with Max. 4 Times Speed
3. Compatible with Optional Panasonic Universal Dock for iPod[6] (SH-PD10)

Amp Section
- 160W total output power (RMS)
- 4 Preset EQ (Heavy, Clear, Soft, Vocal)

CD Player Section
- Multi CD Function (Random, Program, Repeat)
- MP3*[4] Playback
- MP3 Function: ID3 Tag, Album Skip
- CD-R/RW*[3] Playback
- MASH*[6] 1-Bit D/A Conversion System

Tuner Section
- Digital Synthesiser Tuner
- 45-Station (30-FM/15-AM) Preset Memory
- Auto tuning

Speaker System
- 3-way bass-reflex system with 14cm PP Mica woofer, soft dome tweeter and piezo super tweeter
- MDF Baffle
- Large speaker terminal
- Detachable Speaker Grills

Other Section
- USB connectivity for audio/video playback
- Music Port for digital audio player connection
- Re-Master for compressed sound reproduction (with analogue/digital processing)
- D.Bass
- Bass & treble control
- Surround circuit
- Fluorescent display
- Auto power off and Dimmer
- Programmable timer (PLAY /SLEEP)
- Wireless remote control

SH-PD10
Optional iPod Dock

160W
(RMS)

*1 Discs recorded and finalised on DVD video recorders/cameras.
*2 Disc that cannot be played: "Chaoji VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.
*3 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
*4 MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia. For contents recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs.
*5 Matsushita Electric Industrial Co., Ltd., incorporates MASH (multi-stage noiseshaping technology) in its products under technical license from NTT.
*6 iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

CD Stereo System

SC-EN38

1. Integrated Universal Dock for iPod[7] — Enjoy Music Playback, Recharge and PC Synchronisation
2. USB Connectivity for Audio Playback
3. Motorised CD Lid for Easy Disc Changing

Amp Section
- Total Output Power: 6W (RMS)
- 4 Preset EQ (Heavy/Clear/Soft/Vocal)

CD Player Section
- Multi CD Function (Random, Program, Repeat)
- MP3[4] Playback
- MP3 Function: ID3 Tag, Album Skip
- CD-R/RW[3] Playback
- MASH[6] 1-Bit D/A Conversion System

Tuner Section
- Digital Synthesiser Tuner
- 45-Station (30-FM/15-AM) Preset Memory
- Auto Tuning

Speaker System
- Bass Reflex System with 7cm Full Range Speaker

Other Section
- iPod Playback and Recharge with Included Universal Dock for iPod[7]
- Music Data Transfer from PC to iPod[7] via USB
- Music Port for Digital Audio Player Connection
- Re-Master for Compressed Sound Reproduction (with analogue/digital processing)
- D.Bass
- Surround Circuit
- Easy-to-See LCD Display
- Programmable Timer (PLAY/SLEEP)
- Wireless Remote Control

1 Discs recorded and finalised on DVD video recorders/cameras.
2 Disc that cannot be played: "Chaoji VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.
3 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
4 MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia. For contents recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs.
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Micro System

CD Micro System

SC-PM54

1. High-Quality Sound: 3 way speaker, 180W High Output Power, Bi-Amp, Bi-Wiring and Bass Sound with H. Bass
2. MP3*4 and CD-R/RW*3 Playback
3. Easy Connection with Portable Audio Player — "Music Port"

Amp Section
- Total output power : 180W (RMS)
- 4 Preset EQ (Heavy, Clear, Soft, Vocal)
- High Grade Audio Capacitor for Quality Sound

CD Player Section
- 5-CD Changer (with disc check)
- Multi CD Function (Random, Program, Repeat)
- MP3[4] Playback
- MP3 function : ID3 Tag, Album Skip
- CD-R/RW[2] playback
- MASH[3] 6-bit D/A conversion system

Cassette Deck Section
- 9-Track TPS (Tape Program Sensor)

Tuner Section
- Digital Synthesiser Tuner
- 30-Station (15-FM/15-AM) Preset Memory
- Auto tuning

Speaker System
- 3-Way Bass-reflex system with 10cm woofer, 6cm tweeter and super tweeter
- Bi-Wiring for high sound quality
- Detachable Speaker Grills

Other Section
- Fluorescent Display
- Compression Digital Re-Master for higher audio reproduction (MP3)
- Bi-Amp system
- Bass & Treble control with main unit and remote control
- Surround circuit
- Auto power off mode
- Programmable timer (PLAY/REC/SLEEP
- Wireless remote control

180W (RMS)

CD Micro System

SC-PM46

1. High Quality Sound with 2-Way Speaker System
2. PP Mica Woofer for Clear Vocal
3. USB Connectivity for Audio Playback

Amp Section
- Total Output Power: 40W (RMS)
- 4 Preset EQ (Heavy, Clear, Soft, Vocal)

CD Player Section
- Multi CD Function (Random, Program, Repeat)
- MP3[4] Playback
- MP3 Function: ID3 Tag, Album Skip
- CD-R/RW[3] Playback
- MASH[6] 1-Bit D/A Conversion System

Tuner Section
- Digital Synthesiser Tuner
- 35-Station (20-FM/15-AM) Preset Memory
- Auto Tuning

Speaker System
- 2-Way 2-Speaker Bass-Reflex System with 10cm PP Mica Woofer and Tweeter
- MDF Baffle
- Detachable Speaker Grills

Other Section
- USB & Music Port for Digital Audio Player Connection
- Fluorescent Display
- Re-Master for Improved Sound (MP3 on CD-R/RW only)
- Bass & Treble Control
- Surround Circuit
- Auto Power Off and Dimmer
- Programmable Timer (PLAY/REC/SLEEP)
- Wireless Remote Control

40W (RMS)

1 Discs recorded and finalised on DVD video recorders/cameras.
2 Disc that cannot be played: "Chaoji VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.
3 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
4 MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia. For contents recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs.
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Optional Accessories

SD CARD RANGE

32GB	RP-SDV32G
16GB	RP-SDV16G
8GB	RP-SDV08G
4GB	RP-SDV04G
	RP-SDM04GB
2GB	RP-SDV02G
	RP-SDM02GB
1GB	RP-SDR01G

*1 GB = 1 billion bytes. 1 MB = 1 million bytes. Usable capacity will be less.

HDMI CABLES

1.5M	RP-CDHG15
	RP-CDHG15-K (black)
3.0M	RP-CDHG30
5.0M	RP-CDHG50
7.0M	RP-CDHG70
10M	RP-CDHG100

RECORDABLE BLU-RAY DISC™ MEDIA

25GB -R	LM-BR25DE
50GB -R	LM-BR50DE
25GB -RE	LM-BE25DE
50GB -RE	LM-BE50DE

HEADPHONES

STEREO INSIDEPHONES **RP-HJE500**

High-end canal type with aluminium housing.

MONITOR HEADPHONES RP-HT160

Full-size, closed type monitor housing with 30mm driver unit.

CORDLESS HEADPHONES RP-WF6000

Reproduces the dynamic sound of home theatre systems without disturbing others.

MONITOR HEADPHONES RP-HT265

High power neodymium magnet with extra Bass. 5m cord and in-cord volume for Home A/V use.

MONITOR HEADPHONES RP-HTX9

Aluminium dome housing for high-quality audio. 2m extension cord and carrying pouch.

More accessories at www.panasonic.com.au

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Panasonic Customer care centre 132600

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Specifications are subject to change without notice. While every effort has been made to represent product colours accurately, slight variation may occur due to the printing process.
TV pictures are simulated in an effort to explain product features. Publish Date: May 2008. Detailed product specifications are available as a seperate insert as well as on the website.